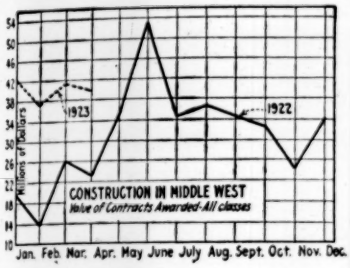
CONSTRUCTION NEWS

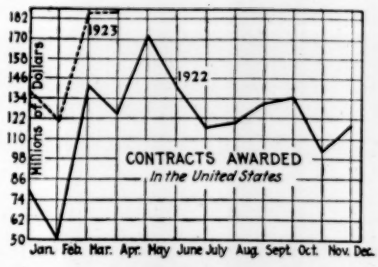
The Construction Barometer

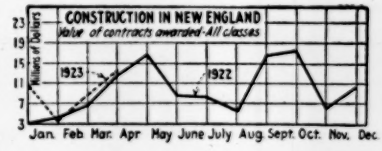
Cost Stationary—Demand Less—Financial Interests Force Buyers' Strike

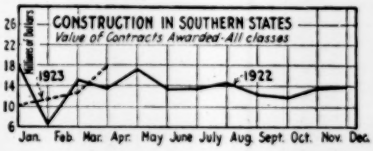
CONTRACT volume for May is about 17 per cent less than in April. Value of large contracts let during the week ending May 24 was $5,000,000 under the preceding week. Thus far, deliberate curtailment of new construction appears to be concentrated around New York, and certainly does not extend beyond the large cities. The publicity being given this idea, however, will probably result in a further falling off in demand. The danger is that the curtailment will come all at once, as has been the rule in depressions.

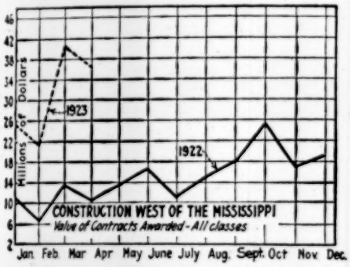
The charts show that up until May 1 contract-letting has been increasing in New England, the South and the Middle Atlantic States, and falling off elsewhere. Also that except for New England and the Middle Atlantic region the lettings have been far heavier than a year ago. Lettings in the U. S. are 49 per cent above year ago.

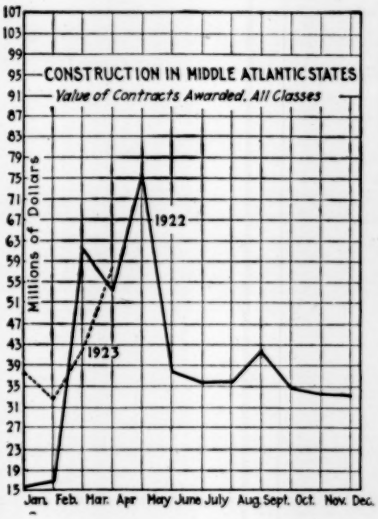

CONSTRUCTION IN MIDDLE WEST
Value of Contracts Awarded-All classes
Millions of Dollars
1923
1922
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

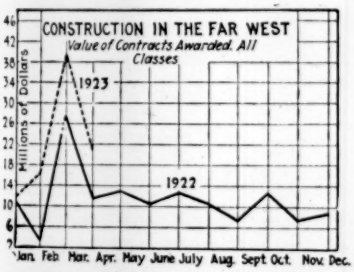



CONSTRUCTION IN NEW ENGLAND
Value of contracts awarded-All classes
Millions of Dollars
1923
1922
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


CONSTRUCTION IN SOUTHERN STATES
Value of Contracts Awarded-All classes
Millions of Dollars
1923
1922
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


CONSTRUCTION WEST OF THE MISSISSIPPI
Value of Contracts Awarded-All classes
Millions of Dollars
1923
1922
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


CONSTRUCTION IN MIDDLE ATLANTIC STATES
Value of Contracts Awarded, All Classes
Millions of Dollars
1923
1922
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


CONSTRUCTION IN THE FAR WEST
Value of Contracts Awarded, All Classes
Millions of Dollars
1923
1922
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ending	Public Works	Private Work	Total Contracts
May 10	$14,414,000	$24,211,000	$38,625,000
May 17	21,510,000	17,893,000	39,403,000
May 24	15,598,000	18,816,000	34,414,000
3 weeks	$51,522,000	$60,920,000	$112,442,000

NUMBER OF LARGE JOBS NOW OUT FOR BID

Week Ending	Private	Public: All	Public: Streets and Roads	Public: Water-works and Sewers	Public: All Buildings
May 10	45	205	65	48	45
May 17	43	213	82	49	44
May 24	32	230	90	44	48

BASE PRICES REMAIN FIRM

	Quoted on May 31, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.50 @2.60	$2.50 @2.65	May 17
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M. ft.	60.00	58.00	Apr. 5
Fir, San Fran., M. ft.	41.00	39.00	Apr. 5
Common labor, hr.	0.51	0.50	Apr. 5

PRODUCTION—More steel than iron produced in U. S. during last thirteen years. Present output of steel ingots at annual rate of about 5,000,000 tons in excess of iron. Lumber cut during week of May 19, over 255,000,000 ft. Nat. Lumber Trade Barometer shows output 5 per cent above normal; shipments at 100 per cent and orders, 90 per cent of normal production. Brick shortage continues in New York, Chicago and Philadelphia districts.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
June 4	Talladega, Ala.	May 10
June 4	Wash., D. C.	May 24
June 4	Buffalo, N. Y.	May 24
June 4	Islington, Ont.	May 31
June 4	Middletown, Conn.	May 31
June 4	North Milwaukee, Wis.	May 31
June 5	Stewart, Minn.	May 24
June 5	Little Chute, Wis.	May 31
June 5	Los Angeles, Calif.	May 31
June 8	Dayton, O.	May 31
June 8	Brooklyn, N. Y.	May 31
June 12	Woodbury, N. J. Adv. May 31.	May 31
June 14	Mamon, La.	May 31
June 22	Cleveland, O. Adv. May 31.	May 31
June 27	Davenport, Wash. Adv. May 24 and 31.	May 31

SEWERS

Close Bids		See Eng. News-Record
June 2	Columbus, O.	May 24
June 4	Whittier, Calif.	May 24
June 4	Kansas City, Mo.	May 17
June 4	Hackensack, N. J.	May 17
June 4	Cleveland Heights (Warrensville P. O.), O.	May 31
June 5	Hightstown, N. J.	May 17
June 5	Long Branch, N. J.	May 24
June 5	Hartford, S. D.	May 24
June 5	Holyoke, Mass.	May 31
June 5	Audubon, N. J.	May 31
June 5	Long Island City, N. Y.	May 31
June 6	Waterloo, N. Y.	May 24
June 6	Hamilton, Ont.	May 31
June 6	Brooklyn, N. Y.	May 31
June 7	Marion, O. Adv. May 24 and 31.	May 24
June 7	Poughkeepsie, N. Y. Adv. May 24 and 31.	May 24
June 8	Grove City, Pa.	May 31
June 8	Yankton, S. D.	May 31
June 15	Milwaukee, Wis.	May 31
June 20	Westville, N. J. Adv. May 31.	May 31

WASTE DISPOSAL

June 20	Duluth, Minn.	May 31
June 21	Sacramento, Calif.	May 31

DAMS

June 20	Ft. Collins, Colo. Adv. May 31.	May 31

BRIDGES

June 4	Milwaukee, Wis.	May 31
June 5	Grand Haven, Mich.	May 10
June 5	St. Louis, Mo.	May 10

Bids Close		See Eng. News-Record
June 5	Fine, N. Y. Adv. May 24 and 31.	May 24
June 5	Muncy, Pa.	May 24
June 6	Toronto, Ont.	May 24
June 8	Birmingham, Ala.	May 24
July 31	La Center, Wash.	May 3
Nov. 30	Sydney, Australia	Apr. 19

EXCAVATION, DRAINAGE, IRRIGATION

June 4	Jeffersonville, Ind.	May 31
June 5	Rolling Fork, Miss.	May 10
June 5	Toms River, N. J.	May 24
June 5	Sidney, Ia.	May 24
June 11	Minneapolis, Minn.	May 31
June 12	Albert Lea, Minn.	May 24
June 15	Alexandria, Minn.	May 31
June 15	Albert Lea, Minn.	Apr. 12

STREETS AND ROADS

June 2	Cleveland, O.	May 31
June 4	New Jersey	May 17
June 4	Ely, Minn.	May 17
June 4	Newburgh, N. Y. Adv. May 24 and 31.	May 24
June 4	Waterloo, Ia.	May 24
June 4	Babylon, N. Y.	May 24
June 4	Red Bank, N. J. Adv. May 24 and 31.	May 24
June 4	St. Paul, Minn.	May 24
June 4	California	May 24
June 4	Richmond, Va.	May 24
June 4	Milwaukee, Wis.	May 24
June 4	Breckenridge, Minn.	May 31
June 4	Cleveland Heights (Warrensville, P. O.), O.	May 31
June 5	Rockville, Ind.	May 31
June 5	Bellaire, O.	May 24
June 5	Alabama	May 17
June 5	Rockport, Ind.	May 24
June 5	Louisiana	May 24
June 5	Boonville, Ind.	May 24
June 5	San Rafael, Calif.	May 24
June 5	New Hampshire	May 24
June 5	Wisconsin	May 31
June 5	Clarinda, Ia.	May 31
June 5	Florence, Ala.	May 31
June 5	Long Island City, N. Y.	May 31
June 5	Turlock, Calif.	May 31
June 6	Northampton, Mass. Adv. May 31.	May 31
June 6	Wisconsin	May 31
June 6	Abilene, Tex.	May 17
June 6	Rhode Island Adv. May 24 and 31.	May 24
June 6	Delaware	May 24
June 6	Cleveland, O.	May 31
June 6	Brooklyn, N. Y.	May 31
June 6	Hampton, Ia.	May 31
June 7	Shelbyville, Ky.	May 17
June 7	Boonville, Ind.	May 24
June 7	Evansville, Ind.	May 24
June 7	Liberty, Ind.	May 24
June 7	Rushville, Ind.	May 24
June 7	Pennsylvania Adv. May 24 and 31.	May 24
June 7	Virginia	May 24
June 7	Vernon, Ind.	May 31
June 7	Rensselaer, Ind.	May 31
June 7	Ft. Wayne, Ind.	May 31
June 7	Rushville, Ind.	May 31
June 7	Monticello, Ind.	May 31
June 7	Anderson, Ind.	May 31
June 7	Faribault, Minn.	May 31
June 7	Fairmont, Minn.	May 31
June 7	Mishawaka, Ind.	May 31
June 8	Huntingburg, Ind.	May 31
June 8	Paoli, Ind.	May 31
June 8	Cincinnati, O.	May 31
June 8	Fulton, N. Y. Adv. May 31.	May 31
June 8	Bradentown, Fla.	May 17
June 8	Pennsylvania Adv. May 24 and 31.	May 24
June 8	La Crosse, Wis.	May 24
June 8	Elkhart, Ind.	May 31
June 8	Winchester, Ind.	May 31
June 8	Mishawaka, Ind.	May 31
June 8	Williamsport, Ind.	May 31
June 8	Logansport, Ind.	May 31
June 8	Corydon, Ind.	May 31
June 8	Rockport, Ind.	May 31
June 8	Boonville, Ind.	May 31
June 9	Laporte, Ind.	May 31
June 9	Angola, Ind.	May 31
June 9	Barre, Vt.	May 31
June 11	Los Angeles, Calif.	May 24
June 11	Adrian, Mich. Adv. May 31.	May 31
June 11	Minneapolis, Minn.	May 31
June 12	West Virginia Adv. May 24 and 31.	May 24
June 12	Pottsville, Pa. Adv. May 24 and 31.	May 24
June 12	University (St. Louis P. O.), Mo.	May 24
June 12	Washington	May 24
June 12	Maryland Adv. May 31.	May 31
June 12	East Grand Forks, Minn.	May 31
June 12	Stockton, Calif.	May 31
June 12	Sac City, Ia.	May 31
June 12	Le Mars, Ia.	May 31
June 13	Delaware Adv. May 31.	May 31
June 14	Bradentown, Fla.	May 31
June 14	Centerville, Ia.	May 31
June 14	Sandwich, Ill.	May 31
June 15	East Cleveland (Cleveland P. O.), O. Adv. May 24 and 31.	May 24
June 16	Illinois	May 31
June 19	Panama City, Fla.	May 31
June 19	East Liverpool, O.	May 31
June 20	Freehold, N. J. Adv. May 31.	May 31
June 22	Williamson, W. Va.	May 31
June 25	Washington	May 31
June 26	St. Louis, Mo.	May 31

INDUSTRIAL WORK

June 6	St. Louis, Mo.	May 31
June 12	Lecompte, La.	May 24
June 18	Walkerton, Ont.	May 31

BUILDINGS

June 4	Kansas City, Mo.	May 10
June 4	El Centro, Calif.	May 10
June 4	New York, N. Y. Adv. May 24 and 31.	May 24
June 4	Valley Junction, Ia.	May 24
June 4	Syracuse, N. Y.	May 31
June 4	Toronto, Ont.	May 31
June 5	Kinston, N. C.	May 31
June 5	Mount Morris, N. Y.	May 17
June 5	Albion, Mich.	May 31
June 5	Smithfield, N. C.	May 31
June 6	San Francisco, Calif.	May 31
June 6	Murphy, N. C.	May 31
June 7	La Crosse, Wis.	May 24
June 8	Olympia, Wash.	May 24
June 8	Bowling Green, Mo.	May 24
June 10	Madison, Wis.	May 31
June 11	Southmont, Pa.	May 31
June 11	Emporia, Kan.	May 31
June 12	Denver, Colo.	May 24
June 12	Lansing, Mich.	May 31
June 12	Raleigh, N. C.	May 31
June 12	Phelps, N. Y.	May 31
June 14	Nashville, Tenn.	May 31
June 15	Clearwater, Fla.	May 24
June 18	Cleveland, O.	May 31
June 21	Newark, N. J.	May 24
July 1	Athens, O.	May 24

FEDERAL GOVERNMENT WORK

June 2	Lumber—Nashville, Tenn. Adv. May 24 and 31.	May 24
June 4	Post Office—Leesburg, Va.	May 10
June 5	Emergency Gates—Montana	May 10
June 5	Dredging—New Orleans, La.	May 10
June 5	Dredging — Wilmington, Del. Adv. May 10 to 31.	May 10
June 5	Levee Work—Vicksburg, Miss. Adv. May 24 and 31.	May 24
June 5	Piping—West Roxbury (Boston P. O.), Mass.	May 24
June 6	Gates—Denver, Colo.	May 10
June 6	Barracks—San Diego, Calif.	May 17
June 6	Roads—San Diego, Calif.	May 17
June 8	Dredging—Phila., Pa.	May 3
June 11	Dike—New York, N. Y. Adv. May 10 to 31.	May 10
June 11	Breakwater — Marquette, Mich.	May 31
June 13	Stack—St. Cloud, Minn.	May 17
June 13	Hospital—St. Cloud, Minn.	May 31
June 13	Roads and Walks—St. Cloud, Minn.	May 31
June 13	Service Extensions—San Diego, Calif.	May 31
June 15	Piping—Perryville, Md.	May 31
June 15	Recreation, etc. — Dawson Springs, Ky. Adv. May 17 to 31.	May 17
June 15	Nurses Quarters—New York, N. Y. Adv. May 24 and 31.	May 24
June 18	Remodeling — Geneva, N. Y.	May 31
June 19	Dredging—Providence, R. I. Adv. May 24 and 31.	May 24
June 19	Dredging — Wilmington, N. C. Adv. May 24 and 31.	May 24
June 19	Remodeling—Baton Rouge, La.	May 24
June 20	Dredging, etc. — Buffalo, N. Y. Adv. May 24 and 31.	May 24
June 20	Dredging—Norfolk, Va. Adv. May 24 and 31.	May 24
June 20	Remodeling — Huntsville, Ala.	May 24
June 20	Post Office — Pratt, Kan.	May 31
June 21	Mailing Shed—Monroe, La. Adv. May 31.	May 31
June 22	Jetty—Galveston, Tex. Adv. May 24 and 31.	May 24
June 23	Valves, etc. — Florence, Ala. Adv. May 24 and 31.	May 24
June 25	Dredging—Detroit, Mich. Adv. May 31.	May 31
June 25	Dredging, etc. — New York, N. Y. Adv. May 31.	May 31
June 25	Refrigerating Machinery — Pearl Harbor, H. T.	May 31
July 18	Fire Protection System — Pearl Harbor, H. T.	May 31

MISCELLANEOUS

June 5	Sand Clay Gravel—Baton Rouge, La.	May 24
June 7	Modification of Railroad Structure—New York	May 31
June 12	Dikes, etc.—Missouri	May 24
June 12	Stone Crusher Plant—Trenton, N. J. Adv. May 31.	May 31
June 14	Pier and Wharf—Charleston, S. C. Adv. May 24 and 31.	May 24
June 18	Dock and Boat Basin — Sanford, Fla.	May 31
June 18	Ornamental Lighting System—Williamsport, Pa.	May 31
June 26	Subway—Phila., Pa. Adv. May 31.	May 31
June 29	Steam Heating Plant—Wautoma, Wis.	May 31
Feb. 28	Headworks — Wellington, New Zealand Adv. May 24 and 31.	May 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Middletown—Plans to purchase 10,000 ft. 4, 6 and 8 in. c.i. pipe. J. W. Mylcrest, city engr.

N. Y., Fairport—Voted $325,000 bonds and had plans prepared 10 mi. 12 in. and 1 mi. 16 in. mains, 1 m.g. rapid sand filter plant, 2 low adjacent earthen dams with concrete cores and 300,000 gal. standpipe about 35 ft. high. J. P. Wells, Cutler Bldg., Rochester, consult. engr. Noted May 17.

Tenn., Memphis—Voted $1,500,000 bonds extending, improving and enlarging waterworks system. W. B. Fowler, city engr.

Wis., Madison—Making plans and soon takes bids main extensions in various streets. $25,000. E. E. Parker, City Hall, engr.

Wis., Rhinelander — Plans extending mains, rein.-con. pipe. $30,000 appropriated. A. Moe, city clk. Engineer not selected.

Wis., Wisconsin Rapids — Making plans iron removal plant, and surveys to determine underground water supply. $25,000. W. G. Kirchoffer, Dean Bldg., Madison, engr. Noted Mar. 22.

Kan., Winfield—Plans to improve waterworks; $112,000 bonds voted. J. Wilfelt, waterworks mgr. Noted Mar. 15.

Mo., Chamois—Voted $30,000 bonds waterworks.

Mo., Lathrop—Making plans and soon takes bids waterworks. $60,000. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engr. Noted Mar. 29.

Mo., Oran—Plans election soon to vote on $25,000 bonds 22,800 ft. 4-8 in. c.i. mains, 29 fire hydrants, fifteen 4-8 in. valves, 60,000 gal. concrete reservoir or 60,000 gal. steel tank on tower. Former bond election defeated. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, engr. Noted May 3.

Mo., Platte City—Defeated $38,000 bonds for waterworks and $9,000 bonds sanitary sewers. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs.

Tex., Abilene—Making plans rapid sand filter plant. $75,000. H. H. Batjer, city engr.

Tex. Ft. Worth,—City Com. takes bids about Aug. 15, filter plant additions, 10 m.g. capacity. $25,000. J. B. Hawley, Cotton Exch., consult engr. D. L. Lewis, city engr.

Tex., Galveston—Making plans rebuilding Alta Loma pumping plant and extensions. $125,000 bonds voted. C. A. Holt, Jr., city engr. Noted Apr. 19.

Tex., Wolfe City—Making plans complete waterworks system. $50,000 bonds voted. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs. Noted Apr. 19.

Okla., McAlester—Voted $375,000 bonds new pipe line, pumping equipment, water supply system, 6,000,000,000 gal. capacity, and rebuilding dam at Lake McHowe. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs. Noted May 3.

Waterworks (Continued)

Okla., Nowata—Voted $112,000 bonds for waterworks system. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs. Noted Mar. 15.

Ore., Park Rose (Portland, P. O.)—Steiger & Lincoln, engrs., Ry. Exch. Bldg., Portland, take bids about Aug. 15, 400,000 gal. tank, rein.-con. and gunite, or steel, here, for Water Dist. $15,000.

Ore., Portland—Plans new Bull Run gravity pipe line system, 10 mi. 60 in. and 15 mi. 52 in. vertical, lock joint, or electric weld pipe, 3 mi. clearing, one 300 ft. pipe span and one 250 ft. combined highway and pipe span. $3,500,000. F. M. Randlett, City Hall, engr. Noted Oct. 26.

Wash., Camas—City takes bids about June 13 for laying 8 mi. pipe line from here to headwaters of Little Washougal River, diversion dam and intake, small reservoir and improvements to distribution system. $100,000. Stevens & Koon, Spalding Bldg., Portland, Ore., engrs. Noted Sept. 21.

Calif., Napa—Had plans prepared diversion dam, chlorination house, well, etc., in connection with Milliken Canyon water project. To exceed $15,000. A. Kempkey, Hobart Bldg., San Francisco, engr.

Que., Montreal—Plans to lay 1,625 ft. of 8 in. main in Laverdure St., and 3,300 ft. of 30 in. steel main in Sherbrooke St. E. Gauthier, asst. city clk.

Que., St. Louis de Chambord — Plans waterworks system. $40,000. Prices wanted on pipe. J. F. Guinon, Chicoutimi, engr.

Ont., Eastview—Having plans prepared mains, valves, hydrants, etc. $25,000. Pipe will be bought and work let. Patterson & Byrne, 71½ Sparks St., Ottawa, engrs.

Ont., Weston—Having plans prepared and soon takes bids 2 mi. 6 and 8 in. c. i. mains, $26,900, also chlorination plant, $3,000. W. B. Redfern of James, Proctor & Redfern, Ltd., 36 Toronto St., Toronto, engr.

BIDS DESIRED

Conn., Middletown—June 4, by Water Comrs. 255 Main St., 10,000 lin.ft. 4-8 in. c.i. pipe.

N. Y., Brooklyn—June 8, by N. J. Hayes, Comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Carroll, 47th, 56th, 67th, 87th., East 51st, East 52nd and East 53rd Sts., here.

N. J., Woodbury — June 12, by C. S. Davis, city clk., c.i. mains, special castings, etc. W. H. Boardman, 426 Walnut St., Phila., engr.; adv. this issue.

La., Mamou—June 14, by J. S. Guillory, mayor, Bd. Aldermen, water works plant, incl. oil engines, pumps, steel tower and tanks, hydrants, reservoir, well, etc. $40,000. Kramer Eng. Co., Magnolia, Miss., engrs.

O., Dayton—June 8, by Montgomery Co., 61,048 lin.ft. 4-12 in. Class B c.i. mains in north and south sections of Oakwood Heights Sanitary Sewer Dist. 1, one hundred seventy-eight 4-12 in. valves, 200 sq.yd. repaving, etc. K. B. Allen, Keith Theatre Bldg., co. sanitary engr.

O., Cleveland—June 22, at office of Commissioner Purchases & Supplies, City Hall, furnishing and laying Random Rd. main of Baldwin Fairmount Project. A. V. Ruggles, comr. water; adv. this issue.

O., Cleveland Heights (Warrensville, P. O.)—See "Sewers."

Wis., Little Chute—June 5, by M. Van Hoff, village clk., drilling well first 150 ft. to be 12 or 15 in. diameter with casing, next 550 ft. to be 12 or 15 in. diameter, uncased. A. E. McMahon, c/o City Hall, Menasha, engr. Noted May 17.

Wis., North Milwaukee—June 4, by W. E. Chase, city clk., 6,084 ft. 6-8 in. c.i. mains. $18,000. H. C. Webster, c/o City Hall, engr.

Wis., Oshkosh—Taking bids furnishing and installing pumping machinery for waterworks pumping station. B. T. Gifford, Gay Bldg., Madison, engr.

Wash., Davenport—June 27, by J. E. Fraser, mayor, and City Council, c/o N. C. Ingle, clk., additions to water supply system; adv. this issue.

Calif., Los Angeles—June 5 by Pub. Serv. Dept., Class B c.i. pipe in 12 ft. lengths, 300 pieces 8 in., weight 570 lb. per length, f.o.b. cars San Pedro; 500 pieces 8 in. 570 lb., f.o.b. Aqua Siding, 400 pieces 8 in. 570 lb., f.o.b. Enterprise St. Yard; 500 pieces 10 in., 765 lb., 100 pieces 12 in., 985, 1,000 pieces 12 in., 985 lb., 700 pieces 6 in., 400 lb., and 1,200 pieces 4 in., 260 lb., delivered at Enterprise Street Yards and Aqua Siding.

Ont., Islington—June 4, by S. Barratt, clk. Etobicoke Twp., laying 37,000 ft. 6 and 8 in. c.i. mains between Long Branch Park and Etobicoke Creek. $60,000. James, Proctor & Redfern, 36 Toronto St., Toronto, consult. engrs.

BIDS RECEIVED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in McClellan and Murrison Places, Anable, Ditmars, Potter, 7th, 8th, Anable and Nelson Aves., Bliss, Carolin, Gosman, Barclay, Crescent, Davidson and Hallett Sts., from G. V. Cornell, $15,900; Bway., Hancock and Hick Places, Caldwell, Eliot, Hebbert, Jansen, Mt. Olivet, Paterson, Polk, Rowan and 34th Aves., Forest, Ferguson, Grove, Horton, Mary, McIntosh, Toledo and Tory Sts., from Piano & Grippo, 32 Court St., Brooklyn, $13,800. Noted May 17.

N. Y., Long Island City—N. J. Hayes, com. Water Supply, Gas & Electricity, Municipal Bldg., New York, May 25, mains in Constantia and 98th Places, Alstyne, Corona, Colonial, Lenox, Lewis, Marlowe and Way Aves., Bronson, Granger, Martense, Middagh, Saultell, Waldron, Vandoran, 41st and 45th Sts., here, from J. A. Gregory, 351 East 124th St., New York, $14,000. Noted May 17.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Unionport, Gun Hill and White Plains Rds., Allerton, Fenton, Morgan, Mayflower, Newbold, Pierce, Plymouth, Rhinelander, Rombouts and Waterbury Aves., Mansion and Mead Sts., from Clementi Contg. Co., 1195 Spoffard St., $54,000. Noted May 17.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Albany Post Rd., Van Courtlandt Park E., Davidson, Rochambeau, Riverdale, Tyndall, Waldo and Webb Aves., Doughty, East 157th, Exterior, East 147th, East 180th and West 252nd Sts., from C. De Blasio, 339 7th Ave., Mt. Vernon, $36,232. Noted May 17.

N. J., Trenton—Digging trench and back filling for 6,000 ft. 10 in. mains in Stuyvesant Ave., from J. Jiangola, 416 Princeton St., $1.16 per lin.ft.

O., Bedford—See "Sewers."

CONTRACTS AWARDED

N. Y., Endicott—Endicott Water Co. will lay 6 in. mains in north side, by day labor. To exceed $25,000. Noted May 24.

N. Y., Liberty—Bd. Water Comrs. will extend distributing system, by day labor. H. W. Taylor, 149 Bway., New York City, engr. Noted May 3.

Pa., Altoona—Pennsylvania R.R., Broad St. Sta., Phila., 250 m.g. reservoir, 475 ft. long, 68 ft. high, at Tipton Run, 4 mi. north of Tipton, incl. 37,000 cu.yd. excav. and 30,000 yd. concrete and rubble masonry, also 4 mi. standard gauge railroad track, to A. L. Anderson & Bros. Inc., Altoona Trust Bldg. Engrs. est. $1,000,000.

Pa., Harrisburg—Furnishing and laying pipe and building 30 m.g. rein.-con. covered reservoir, to S. W. Shoemaker & Sons, Walnut St., $276,763 and $484,040 respectively. Noted May 24.

Md., Baltimore—Mayor and City Council, sluice gates for additions to Montebello Filters, Water Dept. Contr. 67, to Coldwell-Wilcox Co., South End, Newburgh, N. Y., $45,295. Engrs. est. $50,000. Noted May 24.

Wis., West Allis—For c.i. mains in 26 streets, to Ribbens Bros., Mayville, 6 in. pipe $2.90, 8 in. $3.40, 12 in. $5.50, 16 in. $8.10, 24 in. $22, total $76,000. Noted May 10.

Wis., Woodville—Distribution system, to O'Niel & Preston, 608 Exch. Bank Bldg., St. Paul, Minn., $25,000; steel tower and tank, to Minneapolis Steel & Mchy. Co., 2854 Minnehaha Ave., Minneapolis, Minn., $8,100; pump house, to J. P. Hill, Woodville, $900; well, to M. Boman, Durand, $8.50 per ft., pump, to Chippewa Pump Co., Chippewa Falls, $1,600. Noted Apr. 26.

S. D., Avon—See "Sewers."

Tex., Granbury—For 2 crude oil engines, 2 centrifugal motor driven pumps, c.i. pipe, steel tank, etc., to Municipal Eng. Co., Praetorian Bldg., Dallas, $75,000. Noted May 3.

Ore., Portland—To Gamon Meter Co., 282 South St., Newark, N. J., furnishing four thousand ¾ x ¾ and fifty 1 x 1 water meters, $32,125; Rensselaer Valve Co., Ontario St., Troy, N. Y., four hundred and eighty five 2-16 in. valves, $12,054; Continental Pipe Mfg. Co., Lewis Bldg., 200 fire hydrants, $14,700.

Calif., San Francisco — Spring Valley Water Co., 375 Sutter St., rein.-con. reservoir on Stanford Heights, to H. C. Vensano & Co., 58 Sutter St., $65,000.

Calif., San Francisco—Bd. Pub. Wks. of city and San Francisco Co., constructing Bay Crossing pipe line in Bay Crossing Div. of Hetch Hetchy Aqueduct, Contr. 90, Hetch Hetchy Water Supply, to Western Pipe & Steel Co., 444 Market St., $2,231,661. Noted May 24.

Ont., Huntsville—Taking bids chlorinating plant. $32,000. T. M. Culbon, city engr.

O., Cleveland—Concreting pockets at Crib 3 Lake Erie, 3,900 cu.yd. rubble concrete, to Amer. Constr. Co., Marion Bldg., $88,698. Noted May 17.

Sewers

PROPOSED WORK

Conn., Hartford—Plans to construct small building, to contain 2 centrifugal pumps to pump sewage out of Colt Meadows. $25,000. R. N. Clark, city engr.

Conn., Hartford—Plans 7,000 lin.ft. 18-24 in. vitr. clay and 1,000 lin.ft. 48 in. segmental block sewer in South Marshall, Case, Ward and Palm Sts. $30,000. R. N. Clark, city engr.

Conn., New Britain—Bd. Pub. Wks. plans 8,000 ft. and 12 in. vitr. clay sewer in Wells, Alden and Reo Sts. $30,000. J. D. Williams, city engr.

Tenn., Memphis — See "Streets and Roads."

Tenn., Sweetwater — See "Streets and Roads."

Mich., Detroit—Plans 55,593 ft. 12, 15, 18, 20 and 24 in. vitr. crock and brick sewers in Laterals 3906, 3911, 3921, 3936, 3937 and 3923 to 3933 inclusive. J. W. Reid, city engr.

Ill., East Alton—Plans complete sewerage system. $110,000. Sheppard & Morgan, Edwardsville, engrs.

Ia., Odebolt—Making plans sewerage system and disposal plant. $30,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Kan., Emporia—Making plans sewer extension to mains and laterals, 4-10 in. pipe, $25,000. R. E. Paulette, city engr.

Mo., Bolivar—Had preliminary surveys made sanitary sewerage system. $100,000. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs. Noted May 17

Mo., Lathrop—Making plans and soon takes bids sanitary sewerage system and disposal plant. $65,000. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs.

Ark., Ft. Smith — Had plans prepared sewers in Dist. 4. $40,000. W. H. Evans, 2400 Tillis Ave., engr.

Tex., Stamford—June 9, to vote on $30,000 bonds for disposal plant and sanitary sewers. J. B. Hawley, Cotton Exch., Ft. Worth, engr. Noted Feb. 22.

Calif., South San Francisco (San Francisco, P. O.)—Plan to vote on $49,000 bonds combination sanitary and storm sewer in Pecks Dist. and $9,000 bonds vitr. pipe sewers in Grand Ave. extension. G. A. Kneese, Court House, Redwood City, engr.

Ont., Hanover—See "Streets and Roads."

Ont., Owen Sound—Having plans prepared new sewers. $49,000. Prices wanted on materials. R. McKnight, city engr.

BIDS DESIRED

Mass., Holyoke — June 5, by Bd. Pub. Wks., 7,530 ft. 8-32 in. vitr. sewer pipe. $10,000.

N. Y. Brooklyn—June 6, by E. Riegelmann, boro pres., Boro Hall, sewers in 12th Ave., Bay Parkway, 76th, 77th, Bay 28th, East 32nd and 48th Sts.

N. Y., Long Island City—June 5, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in Foster Ave.

N. J., Audubon—June 5, for 7,000 ft. 12, 24, 36 and 48 in. sewers in various streets. $60,000. J. J. Albertson, Court House, Camden, engr.

N. J., Westville—June 20, by Boro Council, sanitary sewerage system. Remington & Vosbury, 601 Market St., Camden, engrs.; adv. this issue.

Pa., Grove City—June 8, by I. L. McKay, city secy., sewage disposal plant incl. 6 concrete tanks, 525 ft. terra cotta pipe. $50,000. F. Graham, city engr.

O., Cleveland Heights (Warrensville P. O.)—June 4, vitr. clay sewer and c.i. main in Taylor Rd. and Washington Blvd. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Wis., Milwaukee — June 15, by J. H. Fowles, secy., Sewerage Comn., 508 Market St., superstructure of 72 x 104 ft., fine screen house, brick and concrete, on Jones Island. T. C. Hatton, c/o owner, engr. Noted Jan. 25.

S. D., Yankton—June 8, by J. W. Summers, Yankton, 8,090 lin.ft. 12 in. and 11,560 lin.ft. 15 in. sewers at State Hospital. $35,000. C. H. Conrick, Yankton, engr.

Sewers (Continued)

Calif., Sacramento — See "Streets and Roads."

Ont., Hamilton—June 6, by S. H. Kent, city clk., furnishing one horizontal centrifugal sewage pump, 130 gal. per minute against 67 ft. head. W. L. McFaul, city engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro. pres., Boro Hall, May 23, sewers in Vermont St., from Necaro Co., Inc., 97 Court St., 106.97%, engrs. est. ($314,013); Utica Ave., from Nazzaro & Querriero, 87% ($10,-405); Lefferts Ave. from Crooke & Dickinson, 93.8% ($9,164); 81st St. and Fort Hamilton Parkway, from M. Tozzi, 1362 63rd St., 93% ($3,572) and 97% ($1,745) respectively; Troy Ave., from S. Ambrosio, 1016 60th St., 85% ($1,596). Noted May 17.

O., Bedford—For 8,000 ft. 8-16 in. vitr. clay sewer and 7,000 ft. 6 in. c.i. main in Columbus St., from W. B. Smith, 1350 West 89th St., Cleveland, $43,000. Noted May 3 under "Waterworks."

Ore., Astoria—See "Miscellaneous."

CONTRACT AWARDED

Conn., West Hartford (Hartford, P. O.)—Street Sewer and Water Comn., 4,000 ft. 15-20 in. vitr. clay sewer, to A. De Marco, Southington (street address not available). Engrs. est. $30,000. Noted May 10.

N. Y., Binghamton—Bd. Contr. & Supply, sanitary and storm sewers in Charles, Yates, Medford and Robinson Sts., Howard, Mason and Snow Aves., to Stento & Sarafini, 84 Court St. To exceed $25,000. Noted Apr. 26.

N. Y., Endicott—Sewers in Liberty and Exchange Sts., to Parlor City Constr. Co., Binghamton, $32,301.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Chauncey St., to Green Contg. Co., 734 Vernon Ave., Astoria, $3,260; Wellington St., Evelin St. from Fresh Pond Rd., to Azalea St. and Evelin St. from Azalea St. to Mt. Olivet Ave., to Kennedy & Smith, Inc., 93 Amity St., Flushing, $2,992, $5,031 and $10,991 respectively; 102nd Ave., to Seaside Contg. Co., 193 Beach 108th St., Rockaway Beach, $9,511. Noted May 24.

N. Y., Tonawanda — Town Bd., Village Hall, laying 8-48 in. pipe, to W. J. Irwin & Son, Greenville, O., $379,733; furnishing and delivering 8-20 in. vitr. pipe and connections, to A. Lyth & Sons Co., 48 West Eagle St., Buffalo, $44,372; 24-48 in. concrete pipe and connections, to F. H. Sherrard, 25 Morse Ave., East Orange, N. J.; pumping station, to W. L. Lose, Tonawanda, $48,900.

O., Cleveland—Cuyahoga Co., 8,200 ft. 12-18 in. vitr. clay sewer in Sect. 9-B, Co. Sewerage System, to Langahan Constr. Co., Marshall Bldg., $100,091. Noted May 10.

Mich., Detroit—To J. A. Mercier Co., 616 Hammond Bldg., Blaine Ave. Arm West $31,914, Warren Ave. Arm East, Sect. 2, $67,534; to Jeynes & Affeld, 1208 Ford Bldg., Warren Ave. Arm East, Sect. 1, $53,-795; to Anderson & Campbell, Detroit (street address not available) Warren Ave. East, Sect. 3, $48,231; to Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., Warren Ave. Arm East, Sect. 4, $56,687; to Lennane & McIlvenna, 1112 Book Bldg., Clayton Ave. Arm Central Ave. Sewer, $24,-565; to W. Blanck & Co., 827 Ford Bldg., Laterals 3910 and 3912, $29,767 and $16,-755 respectively; to Oakwood Constr. Co., Oakwood Ave., Laterals 3913 and 3915, $14,000 and $17,500 respectively; to Hammen & Co., 4612 Woodward Ave., Laterals 3916 and 3920, $9,473 and $15,978 respectively; to C. R. Lennane Co., 2631 Woodward Ave., Lateral 3917, $12,906; to Detroit Drainage Constr. Co., 5099 LeMay Ave., Lateral 3919, $17,395; to Rennie & Dibble, Detroit (street address not available) Lateral 3918, $11,977. Laterals to be vitr. crock. Noted May 10 and 24.

Wis., West Allis—Vibr. pipe sanitary sewers in 27 streets, to F. E. Kaminski, c/o Hotel Irvington, Wauwatosa, $69,000. Noted May 10.

S. D., Avon—Constructing 2½ mi. sewers and 1½ mi. watermains, to Gjellefald Chapman Constr. Co., Forest City, Ia., $24,000.

Ont., East view—Will build 12,000 ft. of 8-12 in. vitr. sanitary sewers, by day labor. $32,345. Patterson & Byrne, 71½ Sparks St., Ottawa, engrs.

Ont., Hamilton—For 942 ft. of 54 in. rein.-con. sewer in tunnel in Main and McNab Sts., to J. H. McKnight Constr. Co., 88 St. Davids St., Toronto, $34,839.

Ont., Ottawa—Will repair sewerage system, incl. new concrete pipe, castings, etc., by day labor. $45,000. A. F. Macallum, city engr.

Waste Disposal

BIDS DESIRED

Minn., Duluth—June 20, by O. S. Olsen, city comr., City Hall, garbage incinerator, 62nd Ave. W. $58,000. J. H. Wilson, city engr.

Calif., Sacramento—June 21, by City for garbage incinerator. H. G. Denton, clk.; adv. this issue.

Bridges

PROPOSED WORK

N. Y., Conklin—Lehigh Valley R.R., 143 Liberty St., New York, G. T. Hand, ch. engr., and Delaware, Lackawanna & Western R.R., 90 West St., New York, G. Ray, ch. engr., plan large viaduct, here. $125,000.

Fla., Jacksonville — See "Streets and Roads."

Fla., Orlando—Orange Co. plans bridge over west fork of St. Johns River, 600 ft. wood approach, one 100 ft. steel span, concrete abutments at beginning of approaches and concrete piers for steel span. $30,000. C. A. Browne, Orlando, engr.

Tenn., Memphis—Voted $250,000 bonds to assist in building Arkansas Viaduct connecting western abutment of Harahan Bridge on Arkansas side of Mississippi River with highway at levee on said side. W. B. Fowler, city engr.

Michigan—State Hy. Dept., Lansing, rejected bids for Bridges 531001 and 531002 in Mason Co., and Bridge 820303, Wayne Co. Noted Apr. 19.

Minnesota—State Legislature authorized $2,000,000 bond issue for Hennepin Co., constructing bridge over Minnesota River, also roads. G. H. Mallon, Minneapolis, chn. co. comrs.; adv. this issue. Noted May 3.

Ont., Hamilton—Wentworth Co. plans to expend $50,000 on bridges and repairs. A. Lumsden, County Bldgs., engr.

Ont., Toronto — Provincial Dept. Highways, 110 University Ave., plan high level highway bridge 1,200 ft. long, 40 ft. wide, probably steel trestle on concrete, on Yonge St., just north of here. $800,000 to $1,000,-000. G. Hogarth, ch. engr.

BIDS DESIRED

Wis., Milwaukee—June 4, by Dept. Pub. Wks., widening Folson Pl. Bridge from 20 ft. to 41 ft. 6 in. $130,000-$150,000. N. C. Cutler, City Hall, engr. Noted May 17.

Ill., Chicago—Comrs. Cook Co., receiving bids substructure for Burnham Bridge, Miner St. bridge in Des Plaines, Tohey Ave. bridge over Des Plaines River, viaduct near Barrington, Willow St. bridge in Winnetka and culverts near Matteson. $300,000.

Ont., Owen Sound—R. C. McKnight, engr. Grey Co., County Bldgs., taking bids rein.-con. highway bridges, 12 ft. span on Lot 2, Concession 3, Collingwood Twp., 16 ft. span on Lot 38, Concession 7, Artemesia Twp., 14 and 16 ft. spans on Lot 36, Concession 6, Osprey Twp. $30,000.

BIDS RECEIVED

O., Fremont—Sandusky Co., May 18, 320 ft. concrete bridge, 44 ft., (5 spans, each 60 ft.), over Sandusky River on State St., from Grant-Bolton Co., Central Natl. Bank Bldg., Columbus, Plan A $239,498, Plan B $201,-125. Noted May 10.

Wyoming—See "Streets and Roads."

Missour—State Hy. Dept., Jefferson City, May 15, two 140 ft. and two 80 ft. steel truss spans, etc. (on 64-11, Hickory, meaning State Project Route 64, Sect. 11, Hickory) from Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, $53,770; three 16 ft. and three 20 ft., rein.-con. slab spans, etc., 24-13, St. Clair, from A. A. Davis & Co., Grain Exch. Bldg., Oklahoma City, $8,880; two 35 ft. girder spans over Indian Creek and one 70 ft. steel truss span, over Hog Creek, 7-84, Texas, from Short & Bremer, Monett, $17,308; one 40 ft., rein.-con. deck girder span and two 10 x 12 ft. box culverts, etc., 1-34, Platte, from J. C. Lyle, Kansas City (street address not available), $10,124; one 70 ft. steel truss span, over Cypress Creek and one 70 ft. steel truss span, etc., over Logan Creek, State Project 206, Ripley Co., from T. T. Wright Lumber Co., Doniphan, $20,546; three 40 I-beam spans, over Drainage Ditch 6, 9-148, Pemiscot, from Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, Ia., $9,670; three 20 ft. rein.-con. slab spans, etc., over Shockley Branch, 20-31, Saline Co., from H. H. Hanenkratt, Kansas City (street address not available), $7,606. Noted May 10.

CONTRACTS AWARDED

Mass., Westfield—State Hy. Dept., State House, Boston, 40 ft. rein.-con. bridge, 36 ft. wide, Westfield Rd. and relocating highway to eliminate curve, to D. O'Connell Co., 480 Hampden St., Holyoke, $33,000. Engrs. est. $30,000.

N. Y., Rochester—See "Miscellaneous."

West Virginia—State Rd. Comn., Charleston, constructing various bridges, (a. m. sub. means ashlar masonry substructure). Limestone Run Bridge 871, Harrison Co., 75 ft. concrete arch, to Hardmann & Minns, Spencer, $18,196. Upper Tract Bridge 876 across South Branch Potomac River, Pendleton Co., 200 ft. steel through truss to E. R. Mills, Newport, Ky., $26,888 a. m. sub. to Wallace Constr. Co., Kitzmiller, Md., $9,044; Petersburg Gap Bridge 875 across South Branch Potomac River, Hardy Co., 200 ft. steel through truss and one 80 ft. steel pony truss, to Vincennes Bridge Co., Vincennes, Ind., $30,519, a. m. sub. to Shaid Contg. Co., Elkins, $15,991; Salt Lick Bridge 685, Braxton Co., 70 ft. steel pony truss, to Champion Bridge Co., Wilmington, O., $5,043, a. m. sub. to Shaid Contg. Co., Elkins, $10,877; Bridge 869, across Reedy Creek, Wirt Co., 120 ft. steel through truss, to Oregonia Bridge Co., Lebanon, O., $10,700, rein.-con. sub. to Hardmann & Minns, Spencer, $15,344; Moorehead Bridge 867, across Right Reedy Creek, Wirt Co., 120 ft. steel through truss, to Oregonia Bridge Co., Lebanon, O., $10,-843, concrete sub to Waters & Freemes, Columbus, O. (street address not available), $11,504; Lee Bridge 868 across Reedy Creek, Wirt Co., 150 ft. steel through truss to Capitol Constr. Co., Columbus, O. (street address not available), $15,333, rein.-con. sub to Waters & Freemas, Columbus, O. (street address not available), $20,-696; Bridge 797, across Ten-Mile Creek, Lincoln Co., 160 ft. steel superstructure to Oregonia Bridge Co., Lebanon, O., $15,-563; Bridge 872 across Jennies Creek, Wayne Co., 120 ft. steel superstructure to Vincennes Bridge Co., Vincennes, Ind., $10,-884, (sub rejected). Noted Apr. 12.

Kan., Paola — Miami Co., Osawatomie Bridge, two 70 ft. and one 130 ft. steel truss spans, to Yancey Constr. Co., Abilene, $26,-391. Noted Apr. 19.

Wyoming—State Hy. Comn., Cheyenne, 133 ft. timber trestle and 80 ft. steel span on Federal Aid Project 139, Lusk-Newcastle Rd., Niobrara Co., to J. F. Turpin, Wheatland, $22,732. Noted May 18.

Ont., Chatham—L. A. Pardo, supt. Kent Co., 7 rein.-con. highway bridges, 8-16 ft. spans, 20 ft. roadway, to G. W. Cutter, Chatham, one concrete and steel bridge, to J. J. Bradley, R. R. 2, Tillbury. Total est. $30,000. Noted Apr. 26.

Ont., Toronto—York Twp., 200 ft. 3 span cantilever arch bridge, rein.-con. over Rosedale Ravine, on Astley Ave., to Goldie Constr. Co., 32 Church St., $100,000. Noted Apr. 26.

Dams

PROPOSED WORK

N. Y., Fairport—See "Waterworks."

Tex., Ft. Worth—Southwestern Portland Cement Co., Two Republics Bldg., making plans and surveys dam across Sycamore Creek, 600,000 gal. daily capacity, concrete spillway, etc. $250,000. J. B. Hawley, Cotton Exch. engr.

Okla., McAlester—See "Waterworks."

Calif., Napa—See "Waterworks."

Mexico, Sonora—Richardson Constr Co., Van Nuys Bldg., Los Angeles, Cal., or more properly Compania Constructora Richardson, S. A., plans 3,300 ft. Indian weir type dam, 12 ft. high, 300 ft. wide between upstream and downstream toe, rockfill and paved with concrete, in addition to extensive canal construction. About $3,000,-000. Quinton-Code & Hill, Hollingsworth Bldg., Los Angeles, Cal., engrs. This corrects report in May 3 issue.

BIDS DESIRED

Colo., Ft. Collins—June 20, at office North Poudre Irrigation Co.; enlarging Halligan dam. A. J. Whistleman, secy.; adv. this issue.

CONTRACTS AWARDED

Mo., Kansas City—Rein.-con. dam, 250 ft. long at crest, 350 ft. overall, in Little Blue River off 12th St., to Arkansas Bridge Co., 1503 Waldheim Bldg., $88,000. Noted May 3.

Railways

PROPOSED WORK

Texas-Dallas—Ry. Co., Interurban Bldg. Dallas, plans rebuilding trackage on Forest Ave., from Meadow to 2nd Aves. $33,880. Live Oak St. $69,640. B. R. Brown, ch. engr.

Minnesota—See "Industrial Works" under Hibbing.

Railways (Continued)

Ontario—Oshawa Ry. Co., Oshawa, plans to extend street railway from Alexandria Park to Ross Corners and build spur line in Lake View Park, Oshawa, about ¾ mi., 60 or 80 lb. rails. $30,000 to $40,000. H. W. Cooper, mgr.

CONTRACTS AWARDED

New York — See "Miscellaneous under Rochester."

Michigan—See "Industrial Works" under Detroit.

Excavation, Drainage Irrigation

PROPOSED WORK

Fla., Ft. Pierce—St. Lucie Co. plans to issue $100,000 bonds to dredge channel to 14 ft. depth. E. H. Collins, Jr., Ft. Pierce, engr.

Fla., Miami—Dade D. D. plans to issue $2,000,000 bonds for drainage canals and outlet to ocean. E. R. Graham, Miami, engr.

Wis., Appleton—Outagamie Co. Drainage Bd., 816 Summer St., plans drainage 5,400 acres, some tile draining, approximately 9½ mi. open ditch, 329,000 yd. excav. $40,-000. H. W. Wickert, secy. Engineer not selected.

Wis., Hancock—Adams Co. Drainage Bd. making plans draining 6,000 arces, incl. 18 mi. open ditch work, 350,000 cu.yd. excav. $52,400. E. Philles, Wisconsin Rapids, engr.

Minn., Owatonna—Steele Co. plans Co. Ditch 14, $80,000; Co. Ditch 13, $20,000. G. Griffin, co. aud.

S. D., Yankton—Yankton and Clay Counties plan 17 mi. open ditch, 616,000 cu.yd. excav. $225,000.

Wash., Washougal—Washougal Diking Dist. making plans and takes bids June 1, Washougal Diking Project, $120,000, and also on reclamation work. W. Schwarz, Vancouver, engr. Noted Dec. 21.

BIDS DESIRED

Minn., Alexandria — June 15, by V. Thomas, aud. Douglas Co., Co. Ditch 23, 62,100 lin.ft. 6-30 in. tile, 12,000 cu.yd. excav. 8,300 lin.ft. open ditch. $47,234. E. W. Edwards, Benson, engr.

Minn., Minneapolis—June 11, by A. P. Erickson, aud. Hennepin Co. dredging Lake Minnetonka, Project 2319. About $25,000. J. W. Shaffer, co. surv.

CONTRACT AWARDED

N. Y., Rochester—See "Miscellaneous."

O., Sandusky—Pennsylvania R.R., Broad St., Phila., removing 9,000 yd. rock and 150,000 yd. earth in deepening slip at coal loading dock here, to Duluth-Superior Dredging Co., foot of 45th Ave., Duluth, Minn., $275,000.

Ia., Storm Lake—Buena Vista and Pocahontas Counties, D.D. 146, 26,757 lin.ft. 6-30 in. tile, to Humboldt Gravel & Tile Co., Humboldt, $19,412; labor, to T. Larsen, Storm Lake, $10,362.

Tex., Beaumont — Atlantic Refining Co. dredging Neches River, to W. Moore & Co., 408 Perlstein Bldg., $50,000.

Streets and Roads

PROPOSED WORK

Conn., East Hartford (Hartford P. O.) —Plans widening Main St. from Pitkin St. to Boulevard Corner, 2,500 ft. $150,000. C. H. Olmsted, 1175 Main St., engr.

Conn., Meriden—Plans relaying walks and curbs, concrete, 4,000 ft. long, 5-13 ft. wide. $35,000. J. A. Toner, supt. pub. wks.

N. Y., Jamestown—Plans paving Cowden Pl., Harris, Royal and Glasgow Aves., Barrows, 11th, Beechview and East 8th Sts., brick on concrete. $105,000. L. Begman, city engr.

Pa., New Castle—Plans to pave Lutton St. and Cunningham Ave., and repave Croton St., vitr. brick. $25,000. C. E. Brown, clk.

West Virginia—State Rd. Comn., Charleston, rejected bids grading and rock asphalt paving 1.1 mi. Main St. in Grantsville, Project 3165, Calhoun Co.; grading and bituminous macadam paving 6.313 mi. Crab Orchard-Slab Fork Dist. Rd., Project 3239, Raleigh Co., 5.3 mi. Falls Dist.—Ansted Rd., Project 3038, Fayette Co.; grading and gravel surfacing 1.2 mi. St. Marks-Ellenboro Rd., Project 3252 A, Pleasants Co. Noted Apr. 12.

Fla., Cocoa—City rejected bids (unopened) treating 53,740 sq.yd. with asphalt material, 11,660 sq.yd. with asphalt material and paving 11,660 sq.yd. with Ojus rock. $50,-000 bonds defeated. A. F. Harlee, Titusville, engr. Noted Apr. 26.

Fla., Jacksonville—Duval Co. voted $3,-000,000 bonds for road and bridge work. F. Brown, clk. Noted May 10.

Fla., Kissimmee — Osceola Co. election June 12, to vote on $80,000 bonds constructing various roads. J. L. Overstreet, clk.

Fla., Sarasota — Sarasota Co. election June 12, to vote on $75,000 bonds constructing various roads. O. E. Roesch, clk.

Tennessee — State Hy. Dept., Nashville, soon takes bids grading, surfacing and bridging 8 mi. road, 18 ft., from Camden to Carroll Co. Line, Benton Co., chert or gravel. J. G. Creveling, comr. Dept. Highways and Pub. Wks.

Tenn., Memphis—Voted $750,000 bonds improving streets, alleys and highways, widening streets, alleys or highways, opening new streets and connecting existing streets and alleys; also constructing sewers. W. B. Fowler, city engr.

Tenn., Sweetwater—Voted $50,000 bonds street and sewer improvements.

Ky., Calhoun—McLean Co. election soon to vote on $350,000 bonds for road improvements, probably gravel or limestone.

O., Columbus — Making plans grading, curbing, laying necessary water services and sewer connections and paving 4,319 ft. Buttles Ave., Rich St., 2nd alley north of Main St., alley west of Stoddard Ave. and alley north of Main St., asphalt, brick or concrete; 1,540 ft. 8 in. vitr. sewer in alley north of Greenlawn Ave., $2,184; 2,000 ft. 8 in. main in Leonard Ave., $4,000. R. H. Simpson, city engr.

O., New Philadelphia—Tuscarawas Co. making plans concrete paving Dennison-Deersville Rd. $45,000. H. Fielder, Court House, engr.

Ind., Anderson—Madison Co. plans concrete paving 26,740 sq.yd. Faust Rd., $70,-861; 9,811 sq.yd. Haugh Rd., $27,502; grading and gravel surfacing 2.67 mi. Van Winkle Rd., 24 ft., $25,370. A. H. Doyle, Anderson, engr.

Ind., Terre Haute—Vigo Co. plans concrete paving 48,084 sq.yd. Marcus Dyer Rd., Sect. A, $107,297, 22,482 sq.yd. Sect. B, $93,-257; 43,272 sq.yd. Dix Rd., Sect. A, $138,444 and 41,622 sq.yd. Sect. B, $131,698. G. Grimes, Terre Haute, engr.

Michigan—State Hy Dept., Lansing, rejected bids grading and surfacing 3.489 mi. road St. Clair Co., 4.009 mi. Muskegon Co., 5.973 mi. road Oceana Co., 4.853 mi. road Macomb Co., and 4.145 mi. road Charlevoix Co. F. F. Rogers, state comr. Noted Apr. 12, 19 and May 17.

Mich., Detroit—Plans prepared grading and paving with 3½ in. sheet asphalt on 8 in. concrete 12,000 sq.yd. Lonyo St. $70,240, 1,700 sq.yd. Greenlawn Ave. $10,450, 4,000 sq.yd. Washburn Ave. $23,750, 5,500 sq.yd. Lakewood Ave. $33,180, 3,300 sq.yd. Parkhurst Pl. $21,230, 2,500 sq.yd. Green Ave. $14,880, 28,000 sq.yd. Puritan Ave. $165,-970; paving 5 alleys, 6,950 sq.yd. 1 course 6 in. concrete, $17,440. J. W. Reid, city engr.

Ill., McLeansboro—Making plans 6,000 ft. rein.-con. paving, 24-30 ft. $55,000. Caldwell Eng. Co., Ayres Bank Bldg., Chicago, engrs.

Ia., Ireton—Rejected bids 16,000 sq.yd. paving and 6,000 lin. ft. curb. Plans will be revised and new bids taken on reduced yardage. T. J. Johnson, 319 Iowa Bldg., Sioux City, engr. Noted Apr. 26.

Minnesota—See "Bridges."

Kan., Chanute—Having preliminary plans prepared improving 8 blocks, asphaltic concrete. F. W. Austin, city engr.

Missouri—State Hy. Dept., Jefferson City, plans grading 9.937 mi. roads, 30 ft., in De Kalb Co. B. H. Piepmeier, state highway engr.

Tex., Athens—Henderson Co. election in July, after 28th (change of date), to vote on $1,750,000 bonds improving various roads. J. A. Johnson, co. judge. Noted Apr. 26.

Tex., Barstow—Ward Co. making plans grading, surfacing with 5 in. sledged stone base and 4 in. gravel top 17 mi. State Highway 1, 18 ft. $133,500. R. E. Booker, Monahans, co .engr.

Tex., Bonham—Fannin Co. making plans grading, concrete surfacing and bridging 7.35 mi. Honey Grove-Bonham Rd., 18 ft. $277,900. P. B. Price, Honey Grove, engr.

Tex., Galveston—Plans paving various streets. $100,000 bonds voted. C. A. Holt, Jr., city engr.

Tex., Houston—Harris Co. making plans grading and crushed stone surfacing 1.5 mi. State Highway 19, 16 ft., 1 in. inverted penetration bituminous topping on shell. $34,000. Howe & Wise, 214 First National Bank Bldg., engrs.

Tex., Jasper—Jasper Co. making plans grading and gravel surfacing 6 mi. State Highway 7, 16 ft. $60,000. C. P. Hunter, co. engr.

Tex., Richmond—Ft. Bend Co. making plans surfacing with 1 in. hot mixed asphalt topping 10.41 mi. State Highway 19, 16 ft. $30,600. C. H. Kendall, Sugarland, co. engr.

Okla., Davis—Having preliminary plans prepared paving streets, various types. To exceed $25,000. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Okla., Perry—Noble Co. election soon to vote on $500,000 bonds hard surfacing 42 mi. roads.

Colo., Boulder—Takes bids in June or July paving with warrenite bitulithic 13,715 sq.yd. in South Bway. Paving Dist., $36,661, 5,075 sq.yd. in 13th St. Paving Dist., $21,-219; resurfacing with warrenite bitulithic 8,175 sq.yd. Grant Place Paving Dist., $16,-396. J. Randolph, city engr.

Calif., Oakland—Alameda Co. plans paving highway between Livermore and Pleasanton and between Dublin and San Ramon at county line. $250,000. G. A. Posey, co. surv.

Calif., San Diego—Plans curbing, sidewalks and paving 30th Sts., 31,326 sq.yd. 1½ in. asphalt on 4 in. concrete, etc.; 25th and Crosby Sts., 30,221 sq.yd. 4 in. asphalt, etc. F. A. Rhodes, city engr.

Que., Montreal—Plans 29,577 ft. asphalt pavements on various streets $369,445; 19,-418 ft. concrete sidewalks on various streets, $78,785, also 12 in. tile and 2 x 3 brick sewers in 6 streets, $14,794. E. Gauthier, asst. city clk.

Ontario—Provincial Government, Northern Development Branch, Toronto, having surveys made 40-45 mi. tarvia macadam road from Timmins through South Porcupine and Porquis Junction to Iroquois Falls. $250,000; grading and graveling 10 mi. road from Cobalt to Lorrain mining camps, $50,000-$100,000. C. H. Fullerton, Parliament Bldgs., Toronto, engr.

Ont., Hanover—Plans 16,000 cu.yd. asphalt, bitulithic or concrete pavement and storm sewers in Main St. $100,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Hamilton—Takes bids about June 1, asphalt pavements on Cumberland Ave. $30,000. Prices wanted on materials. W. L. McFaul, city engr.

Ont., Hamilton — Wentworth Co. plans gravel, concrete and macadam roads. $127,-780. Part of work will be let by contract and balance by day labor. J. Vance, County Bldg., clk.

Ont., Lindsay—E. L. Miles, engr. Victoria Co., soon takes bids 5,000 sq.yd. macadam base course, 10,300 sq yd. bituminous bound macadam on macadam base with 6,300 lin.ft. concrete edging and 600 lin.ft. curb and gutter in village of Babcageon, 3,200 sq.yd. bituminous macadam with 3,200 lin.ft. concrete edging in village of Fenelon Falls. $50,000.

Ont., Oshawa—Plans to resurface 50,000 sq.yd. King and Simcoe Sts., asphalt. $80,-000. W. C. Smith, city engr.

Ont., Ottawa—Plans paving 8,500 sq yd. Catherine St. and Bethan Rd., asphalt on concrete. $41,000. A. F. Macallum, city engr.

Ont., Owen Sound—Plans paving 2nd Ave. probably cement. $40,000. R. McKnight, city engr.

Ont., Owen Sound—Plans 12,000 sq.yd. asphalt pavement on concrete, and 2,800 ft. storm sewers in 2nd Ave. $80,000. D. H. Fleming, Owen Sound, engr.

Ont., Scarboro—Scarboro Twp. plans 12 mi. concrete sidewalks, 4-6 ft. $80,000. C. E. Frase, Stop 19 Kingston Rd., Toronto, engr.

Ont., Teeswater—Having plans prepared cement pavement on Main St. $32,000. W. H. Logan, city engr.

Ont., Toronto — Having plans prepared and soon takes bids paving Bay, Connolly and Front Sts., Glenmount Park and Park Rds., asphalt on concrete; Kenilworth Ave., asphaltic concrete; Glenmount Park Rd., brick block, $245,187. R. C. Harris, city engr.

BIDS DESIRED

New Hampshire—June 5, by State Hy. Dept., Concord, paving 0.72 mi. highway in Epping, bituminous macadam; 0.76 mi. in Alton and 1.15 mi. in Dublin, gravel; 1.33 mi. in Haverhill and 1.61 mi. in Tilton, asphalt. F. E. Everett, state highway comr.

Vt., Barre—June 9, by City Engineer and Council, 6,550 sq.yd. rein.-con., 940 lin.ft. gutter, etc., on Washington and Church Sts. $27,000. S. Ruggles, 72 Franklin St., city engr.

Mass., Northampton—June 6, by O. E. Brainerd, city engr., rein.-con. paving Crafts Ave., Spring and West Sts.; adv. this issue.

N. Y., Brooklyn—June 6, by E. Riegelmann, boro pres., Boro Hall, curbing and asphalt paving Delamere Pl., Highlawn Ave.,

Streets and Roads (Continued)

Bay 22nd, East 8th and East 10th Sts., asphalt paving Farragut Rd., Ave. L, Ovington, 17th, 7th and 16th Aves., Stoddard and Ludlam Places, Louisa, 56th, 58th, 78th, East 9th, East 15th, 54th and 75th Sts.; recurbing and asphalt paving 83rd, Bay 35th and 61st Sts.; grading, curbing and flagging Bergen Pl., 17th Ave. and 54th St.; curbing and paving Ave. L, preliminary bituminous macadam; grading, curbing and laying sidewalks on 73rd St.

N. Y., Fulton—June 8, by Common Council, at office of M. C. Baker, city clk., improving and asphaltic concrete paving several streets. G. W. Hackett, city engr.; adv. this issue.

N. Y., Long Island City—June 5, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sheet asphalt paving, etc., Havemeyer St.; grading, curbing and laying sidewalks and sheet asphalt paving 107th, Beach 117th and Beach 122nd Sts.

N. J., Freehold—June 20, by Monmouth Co. rein.-con. paving 1.25 mi, Englishtown-Jamesburg Rd. 19. G. F. Randolph, 60 Broad St., Red Bank, civil engr.; adv. this issue.

Delaware—June 13, by State Hy. Dept., Dover, improving 5.17 mi. Contr. C S 21; 8.9 mi. Contr. CK 10; 0.833 mi. Contr. CK 13; 3.09 mi. Contr. CS 22; 2.24 mi. Contr. CS 24; adv. this issue.

Maryland—June 12, by State Rds. Comn., Baltimore, paving Contrs. F-54, Ce-45 and D-30, in Frederick, Cecil and Dorchester Counties, concrete; Contrs. 125-A and A-3A, Montgomery and Alleghany Counties, concrete shoulders. J. N. Mackall, chn.; adv. this issue.

W. Va., Williamson—June 22, by Mingo Co., improving 4.28 mi. Glen Alum-Ben Creek Rd., 22,600 ft. clearing and grubbing, 65,800 cu.yd. excav., etc.; 3.91 mi. Tamcliff-Spice Creek Rd., 20,670 ft. clearing and grubbing, 63,250 cu.yd. excav., etc. H. Cook, road engr.

Fla., Bradentown—June 14, by Manatee Co., shell surfacing 15 mi. road on Terra Ceia Island, 15 ft. $55,000. H. B. Glover, Bradentown, engr. Noted May 24.

Fla., Panama City—June 19, by Comrs. and Bond Trustees, 6,000 lin.ft. concrete curb and gutter, 8,000 lin.ft. 2 in. concrete gutter, 30,000 sq.yd. vitr. brick, vertical fibre brick, granite block, wood block, asphalt or concrete paving. $100,000. O. H. Lang, Moultrie, Ga., consult. engr.

Alabama—J. H. Mayer, div. engr., State Hy. Comn., Montgomery, receiving bids grading and asphalt surfacing 32 mi. Birmingham-Gadsden Highway, 20 ft., St. Clair Co., $400,000.

Ala., Florence—June 5 (change of date), 75,000 sq.yd. paving, various types. $100,000. W. S. Eastip, mayor. Noted May 10.

O., Cincinnati—June 8, by Hamilton Co., grading and paving 40,300 sq.yd. Boomer, Zig Zag and Elm Rds., bituminous macadam, $78,140; 60,000 sq.yd. Cleves and Warsaw Rds., concrete $374,624 or bitoslag $498,833. E. A. Gast, Court House, co. surv.

O., Cleveland—June 2, by Cuyahoga Co., Court House, grading, curbing and paving Snow Rd. $117,897. F. Lander, Court House, engr.

O., Cleveland—June 6, repaving Woodland Ave. from Eagle Ave. to East 55th St., asphalt. To exceed $100,000. R. Hoffman, City Hall, engr.

O., Cleveland Heights (Warrensville P. O.)—June 4, grading, curbing and paving Woodridge, Williams, Oxford, Montford, Summit, Park and Lee Rds., bituminous macadam, asphaltic concrete or sheet asphalt. $100,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., East Liverpool—June 19, resurfacing about 1 mi. River Rd., 18 ft., concrete. $80,000.

Ind., Anderson—June 7, by Auditor Madison Co., hard surfacing 4,905 ft. Haugh Rd., 18 ft. $27,502, 13,371 ft. Faust Rd., 18 ft., $70,860; grading and graveling 2.67 mi. Van Winkle Rd., 24 ft., $25,370. A. H. Doyle, Anderson, engr.

Ind., Angola—June 9, by Auditor Steuben Co., grading and gravel surfacing 29,086 ft. Burl Hughes Rd., 18 ft. $28,152. F. Hubbell, Angola, engr.

Ind., Booneville—June 8, by Auditor Warrick Co., clay and gravel surfacing 17,740 ft. Youngblood Rd., 24 ft., $25,083; hardsurfacing 5,848 ft. Holtz Rd., 30 ft., $25,907, 18,478 ft. Hasse Rd., 16 ft., $26,700, 10,190 ft. Wiebe Rd., 18 ft., $25,050, 34,681 ft. Leslie Rd., 18 ft., $93,900. S. Bohanan, Booneville, engr.

Ind., Brazil—June 7, by Auditor Clay Co., grading and gravel surfacing 14,780 ft. Douglass Rd., 18 ft. $26,036. F. E. James, Brazil, engr. Noted May 24.

Ind., Corydon—June 8, by Auditor Harrison Co., grading and gravel surfacing 14,543 ft. Bird Rd., 24 ft. $25,460. G. C. Doolittle, Corydon, engr.

Ind., Elkhart—June 8, by Bd. Pub. Wks., concrete paving 12,453 sq.yd. East Boulevard. $33,000.

Ind., Ft. Wayne—June 7, by Auditor Allen Co., grading, gravel and stone wearing surface on 15,592 ft. Garman Rd., 24 ft. $33,000. O. M. Darling, Ft. Wayne, engr. Noted May 24.

Ind., Huntingburg—June 8, by Auditor Dubois Co., paving crushed stone 19,270 ft. Bretz Rd., 24 ft. $25,881. E. Pickhardt, Huntingburg, engr.

Ind., Jeffersonville—June 4, by Comrs. Clark Co., gravel surfacing 8.8 mi. Wm. D. Taylor Rd. in Owen and Washington Twps. $85,187. K. P. Barnes, co. surv. Noted May 17.

Ind., Laporte—June 9, by Auditor Laporte Co., grading and gravel surfacing 5.1 mi. Johnson Rd., 18 ft., $27,600; 4.7 mi. Wright Rd., 18 ft. $25,926. P. Summy, Laporte, engr. Noted May 24.

Ind., Logansport—June 8 by Auditor Cass Co., grading and gravel surfacing 19,731 ft. Berkshire Rd., 24 ft. $25,098. J. Bennett, Logansport, engr.

Ind., Mishawaka—June 7, by Bd. Wks., concrete paving 20,943 sq.yd. West 4th St. $55,500. J. L. Stevens, city engr. Noted May 10.

Ind., Mishawaka—June 8, by Bd. Wks., concrete paving 14,807 sq.yd. Battell Rd. $39,240. J. L. Stevens, city engr. Noted May 10.

Ind., Monticello—June 7, by Auditor White Co., grading and graveling 15,835 ft. Cover Rd., 24 ft. $27,700. G. A. Thomas, Monticello, engr.

Ind., Paoli—June 8, by Auditor Paoli Co., crushed stone paving 57,070 ft. Orleans Rd., 18 ft., $49,991. A. Boyd, Paoli, engr.

Ind., Rensselaer—June 7, by Auditor Jasper Co., grading and gravel surfacing 17,680 ft. Trachel Rd., 18 ft. $26,742. E. D. Nesbitt, Rensselaer, engr. Noted May 24.

Ind., Rockport—June 8, by Auditor Spencer Co., grading and gravel surfacing 19,345 ft. Smith Rd., 24 ft. $25,475. Z. X. Bennett, Rockport, engr.

Ind., Rushville—June 7, by Auditor Rush Co., stone surfacing 21,127 ft. Leisure Rd., 24 ft. $28,906. F. Catt, Rushville, engr.

Ind., Vernon—June 7, by Auditor Jennings Co., grading and gravel surfacing 13,210 ft. Richards Rd., 24 ft. $25,369. C. W. Miles, North Vernon, engr. Noted May 24.

Ind., Williamsport—June 8, by Auditor Warren Co., grading and gravel surfacing 14,714 ft. Balbach Rd., 30 ft. $29,841. J. R. Gregory, Williamsport, engr.

Ind., Winchester—June 8, by Auditor Randolph Co., grading and surfacing with gravel and stone, 15,740 ft. Howell Rd., 30 ft. $25,600. A. B. Purdy, Winchester, engr. Noted May 24.

Ind., Winchester—June 8, by Auditor Randolph Co., stone paving 12,257 ft. Barkalow Rd., 20 ft., $25,257; grading and paving 15,570 ft. Kemp Rd., 30 ft., stone wearing surface on gravel, $80,640. A. B. Purdy Winchester, engr.

Mich., Adrian—June 11, by City Comn., improving 6 streets. G. P. Love, city clk.; adv. this issue.

Illinois—June 16, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, portland cement concrete paving 0.56 mi. Route 14, Sect. 9-1, Hamilton Co., 18 ft., C. H. Older, ch. engr., also at same time by City of McLeansboro, widening Sect. 9-1, Caldwell Eng. Co., Jacksonville, engrs.

Ill., Chicago—Comrs. Cook Co., receiving bids paving 2.5 mi. extension to 95th St., W., 1.75 mi. 95th St. near city limits, 1 mi. in Bartlett Twp. and 1 mi. in Glenwood Twp. $200,000.

Ill., McLeansboro—See "Illinois."

Ill., Sandwich—June 14, by Bd. Local Impvts., City Hall, rein.-con. paving Church St., (except center 18 ft.), $43,000. Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, will also take bids same day for center 18 ft., $19,000. A. L. Webster, Wheaton, engr.

Wis., Milwaukee—June 4, at office Dept. Pub. Wks., one course concrete pavement, one course concrete pavement integral curb, vibrolithic concrete pavement integral curb, asphaltic concrete pavement cement curb and gutter, cement sidewalks. R. E. Stoelting comr.

Wisconsin—June 5, by State Hy. Comn. at div. office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, grading and surfacing Friendship-Kilbourn Rd., Adams Co., Sect. A, 8,776 cu.yd. featheredge gravel, Sect. B, 12,295 cu.yd. featheredge gravel, Sect. C, 15,039 cu.yd. featheredge gravel; New Lisbon-Mauston-Kilbourn Rd., Juneau Co. 8,933 sq.yd. concrete, 2,470 cu.yd. gravel, etc. A. R. Hirst, Madison, state highway engr.

Wisconsin—June 6, by State Hy. Comn. at div. office 3, Nicolet Bldg., Green Bay, concrete surfacing, etc., 23,325 sq.yd. Lepere-Greenleaf Rd., Broad Co., 23,308 sq. yd. Askeaton-Greenleaf Rd., Brown Co. A. R. Hirst, Madison, highway engr.

Wis. Milwaukee—June 4, by W. J. Carr, clk Milwaukee Co., concrete surfacing, etc., 14,000 sq.yd. Howard Ave. Lake Twp.; 5,300 sq.yd. Silver Spring Rd. and Whitcomb Ave. in village Whitefish Bay. Wisconsin Hy. Comn. Madison, engrs.

Ia., Centerville—June 14, by Auditor Appanoose Co., grading 6.753 mi. road from Moulton north, and from here southwest and northwest, 182,021 cu.yd. excav., 6,029 lin.ft. 6-18 in. tile, etc. $50,000. F. L. Davis, co. engr.

Ia., Clarinda—June 5, by Auditor Page Co., grading 12.31 mi. road from here northeast to County line and 16.3 mi. from here south to State line, 26 ft., 629,824 cu.yd. excav. $150,000. I. H. Taggart, co. engr.

Ia., Hampton—June 6, by Auditor Franklin Co., gravel surfacing 22.25 mi. county roads, 26 ft., 29,400 cu.yd. gravel, etc. To exceed $50,000. M. E. Hicketheir, co. engr.

Ia., Le Mars—June 12, by Auditor Plymouth Co., grading 17.883 mi. Federal Aid Project 192, from Woodbury Co. line north, 26 ft., 319,500 cu.yd. excav., etc. To exceed $75,000. G. S. Huxtable, co. engr. Noted May 18.

Ia., Sac City—June 12, by Auditor Sac Co. gravel surfacing 4.463 mi. road from Schaller west, and 5.052 mi. in towns of Schaller, Early, Lake View, Wall Lake, Lytton and Auburn, 26 ft., 13,220 cu.yd. gravel. W. D. Maxwell, co. engr.

Minn., Breckenridge—June 4, by city, paving 19,500 sq.yd. various streets rein.-con., bituminous concrete, bituminous macadam, bitulithic or wood block. $45,000-$75,000. R. R. Waite, city clk.

Minn., East Grand Forks—June 12, paving, etc., various streets, 8,600 cu.yd. excav., 40,400 sq.yd. paving, 9,140 lin.ft. concrete curb. Bids on one course concrete, bitulithic or asphaltic concrete. $100,000. A. N. Briggs, city clk.

Minn., Fairmont—June 7, by W. M. Canfield, aud. Martin Co., gravel surfacing 4 mi. State Aid Rd. 6, Job 2309, 13.6 mi. State Aid Rd. 8, Jobs 2305, 2306 and 2310, 4 mi. State Aid Rd. 9, Job 2307, and 4.7 mi. State Aid Rd. 10, Job 2308, 30,084 cu.yd. gravel surfacing. $75,000. C. N. Krosch, Fairmont, engr.

Minn., Faribault—June 7, by F. M. Kaisersatt, aud. Rice Co., gravel surfacing 4.6 mi. State Rd. 19, Job 2305, 10.5 mi. State Rd. 20, Job 2306, 4.7 mi. State Rd. 26, Job 2307, and 7.7 mi. State Rds. 32 and 33, Jobs 2314 and 2315. J. C. McElherne, Faribault, engr.

Minn., Minneapolis—June 11, by A. P. Erickson, and Hennepin Co., grading and concrete culverts on Project 2317, Road 6, 60,000 cu.yd. excav., 297 cu.yd. concrete for culverts, $40,000. J. W. Shaffer, co. surv.

Mo., St. Louis—June 26, by Bd. Pub. Serv., 208 City Hall, curbing and paving 65,775 sq.yd. Soulard, Forest Park, Tennessee, Wiesehan, Elenore, Hebert, Utah, Schollmeyer, Tyrolean and Elmer Sts., 12th St. from Soulard to Chouteau Sts., 12th St. Russell to Soulard Sts., Osceola St. from Ohio St. to Bway., Osceola St. from Ohio St. east, asphalt, warrenite, asphaltic concrete and rein.-con. $298,280. W. W. Horner, city engr.

Washington—June 25, by State Hy Comn., Olympia, grading and surfacing with crushed rock 6 mi. Navy Yard Highway from Union City to Holyoke Creek, Mason Co. J. Allen, state highway engr.

Calif., Stockton—June 12, by A. L. Banks, city clk., paving, etc., Harrison St., 32,042 sq.ft. pavement, 2½ in. cementing gravel base and 3 in. asphalt concrete base with 2 in. asphalt concrete surface; Castle St., 1,950 sq.ft. 5 in. pavement, 10,987 sq.ft. 7 in. pavement, and 11,691 ft. cement walks. W. B. Hogan, city engr.

Calif., Turlock—June 5, by City Council, grading and paving Orange St. between West Main St. and South Ave., 83,000 sq ft. 3 in. asphaltic concrete base with 1½ in. warrenite surface, 90,000 sq.ft. grading, etc. H. Hall, city engr. Noted May 3.

BIDS RECEIVED

Mass., Boston—Bd. Pub. Wks., May 22, paving 1,000 ft. Gloucester and Hereford Sts., 30-40 ft., sheet asphalt, from Warren Bros. Co., Parkman Bldg., $29,921.

N. Y., New York—Park Bd., Municipal Bldg., May 24, roads and paths, etc., Eastern Blvd. to City Island, from C. D. Beckwith, Inc., 2875 Bway., $93,986. Noted May 17.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro. Hall, May 23, grading and granite block paving, etc., Marginal

Streets and Roads (Continued)

St., from J. Johnson Sons, 455 Bway., West New Brighton, $21,731. Noted May 17.

Delaware—State Hy. Dept., Dover, grading and concrete paving, etc., 4.35 mi. Townsend-Coldwell Rd., Contr. CN-11, from W. Eisenberg, Woodbine, N. J., $152,830; 2.746 mi. Bear-State Rd., Contr. CN-10, from D. E. O'Connell & Sons, Ridley Park, Pa., $97,488; 3.16 mi. Marsh Rd., Contr. CN-7, from Baton Constr. Co., Presser Bldg., Phila., $137,494; Camden drainage sewer, Contr. CK-8A, from George & Lynch, Dover (street address not available), vitr. clay pipe $2,690, concrete pipe, $2,724; fill at Apoquinimink, Contr. 48-C, from Jester & Cook, Lincoln, $2,340. Noted May 3.

Maryland—State Rds. Comn., Baltimore, concrete surfacing 9,400 sq.yd. Contr. M-39, Montgomery Co., from Gosnell, Russell Co., Frederick, $31,700; 13,100 sq.yd. Contr. B-54, Baltimore Co., from P. F. Reddington, 2 East Lexington St., Baltimore, $38,767; 13,000 sq.yd. Contr. D-33, Dorchester Co., from Holt Constr. Co., Federalsburg, $57,-223; 6,800 sq.yd. Contr. Wo-28, Worcester Co., from J. K. Wetter, Salisbury, $17,093; gravel surfacing 30,000 sq.yd. Contr. Ch-25, Charles Co., and 39,000 sq.yd. Contr. SM-23, St. Marys Co., from St. Marys Constr. Co., Mechanicsville, $28,616 and $38,875 respectively; 17,800 sq.yd. bituminous surfacing, Contr. Bc-43, Baltimore City, from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., Baltimore, $97,277; Contr. W-26, Washington Co., 4,500 tons rein.-con. base and 4,450 tons bituminous macadam surface, from Bester-Long Co., Hagerstown, $59,943; Contr. 45-A, Montgomery Co., 3,520 sq.yd. concrete shoulders, from J. H. Blankford, Brandywine, $11,264. Noted May 10.

D. C., Wash.—Dist. Comrs., 509 Dist. Bldg., surfacing roadways, from Cranford Paving Co., 2620 E St., N. W., oil $1.82, lake asphalt $1.89, about $60,000.

West Virginia—State Rd. Comn., Charleston, grading and paving with concrete and gravel 0.35 mi. Barkwill and 3rd Sts., in St. Marys, Projects 3254 and 3268, Pleasants Co., from Pipes & Johnson, Middlebourne, $26,003. Noted Apr. 12.

Ind., Albion—Noble Co. ,concrete paving 75,696 sq.yd. Stacy Steel Rd., from W. L. Johnson Constr. Co., 1205 North Bellview Pl., Indianapolis, $136,645. Engrs. est. $138,394.

Ind., Indianapolis—Marion Co., concrete paving 78,643 sq.yd. Northwestern Ave., from McCoun Constr. Co., Noblesville, $196,-643. Engrs. est. $204,672.

O., Cleveland—From Rieley Bros., The Arcade, grading, curbing and paving driveways at city hospital, asphalt, $24,907, East 106th, asphalt, $3,977, Mt. Overlook Ave., brick, $8,924. Work involves 2,730 cu.yd. earth excav., 1,270 sq.yd. vitr. brick, 4,260 sq.yd. asphalt and 6,530 sq.yd. concrete base.

Missouri—State Hy. Dept., Jefferson City, May 15, constructing roads (1-23, Andrew means Route 1, Sect. 23, Andrew Co.) 1.802 mi. **1-23, Andrew,** from **F. M. Clark, Savannah,** $18,935; 3.296 mi. **1-40, Clay,** from J. W. Lyle, Kansas City (street address not available), $14,008; 1.618 mi. **64-11, Hickory,** from Vincennes Bridge Co., Vincennes, Ind., $16,117; 4.886 mi. **7-27, Randolph,** from P. J. Murphy, Moberly, $14,100; 4.202 mi. **3-34, Carroll,** from C. T. Pemberton, Wakenda, $8,564; 0.54 mi. **3-33, Carroll,** from Cameron Joyce & Co., Keokuk, Ia., $21,040; 4.059 mi. **20-32, Saline,** from A. W. Mosley, 529 Kansas City Ave., Excelsior Springs, $17,184; 2.784 mi. **12-53, Franklin,** from Vedder & Kasmann, Union, $32,279; 1.212 mi. **7-21, Macon,** from Coopers Constr. Serv. Co., Federal Reserve Bank Bldg., St. Louis, concrete, $34,885, gravel $31,764; 4.304 mi. **24-13, St. Clair,** from A. A. Davis & Co., Grain Exch. Bldg., Oklahoma City, Okla., $49,259; 2.036 mi. **47-11, Warren,** and 1.6 mi. **25-4, St. Genevieve,** from H. A. Warman, Pittsfield, Ill., $26,010 and $28,305 respectively; 4.2 mi. **7-84, Texas,** and **4.701 mi. State Project 206, Ripley Co.,** from Missouri Bridge & Iron Co., Fullerton Bldg., St. Louis, $27,096 and $17,298; 4.625 mi. **1-39, Platte,** and 4.897 mi. **20-31, Saline,** from H. H. Hanenkratt, Kansas City (street address not available), $29,970 and $31,264 respectively. Noted May 10.

Tex., Georgetown—Williamson Co. surfacing 15.57 mi. State Highway 2-C, 141,714 sq. yd., (a) 1 in. Uvalde rock asphalt, (b) 1½ in. inverted penetration, from W. E. Dozier, 230 Austin Natl. Bank Bldg., Austin, (a) $91,496; Haden & Austin, Hill and Market Sts., Houston, (a) $100,859 (b) $92,-711. Engrs. est. $85,000-$100,000. Noted May 3.

Tex., Palo Pinto—Palo Pinto Co. grading and surfacing 9.81 mi. North Branch of Highway 1, 2,096 cu.yd 1:2:4 concrete, 31,-612 cu.yd. roadway, 63,263 cu.yd. borrow, 14,677 cu.yd. loose and 8,753 cu.yd. solid rock excav., 55,717 cu.yd. stone quarry, from Smith Bros., Amer. Natl. Bank Bldg., Dallas, $154,400; 268,211 lb. reinforcing furnished by county. Engrs. est. $177,500. Noted May 3.

Wash., Seattle—Paving 3rd Ave. W. et al., from J. L. Smith, Pioneer Bldg., 28,420 sq.yd. 6 in. concrete $1.70, 23,640 sq.yd. 7 in. $1.90, etc., total $97,412, 6 in. clay or concrete, $102,140 7 in. clay or concrete; engrs. est. $97,872 clay, $107,782 concrete; improving 15th Ave. S. et al., 130,000 lin.ft. wood curbing, 21,000 lin.ft. box drain, 116,-000 temp wood sidewalk, 33,500 cu.yd earth excav., from G. A. Banderet, Bryn Mawr, $48,574, engrs. est. $44,636.

Calif., Sacramento—Curbing, guttering, sewers and paving 11th Ave. between 44th St. and Stockton Blvd., from A. Teichert & Son, Ochsner Bldg., 6,886 ft. curb and gutter $1.76, 1,304 ft. 4 in. vitr. sewer $1.02, 1,166 ft. 8 in. vitr. sewer $1.23, 47,714 ft. 4 in. asphaltic concrete $0.17, 26,966 ft. 5½ in. asphaltic concrete $0.2135.

CONTRACTS AWARDED

Maine—State Hy. Comn., Augusta, to I. J. Murphy, Somerville, Mass., paving 4.3 mi. in Somerset Co., 2,450 sq.yd. bituminous macadam $2.50, 14,000 cu.yd. excav. $1.35, etc., total $113,625, 4.535 mi. in Cumberland Co., 2,231 sq.yd. bituminous macadam $2.50, 14,989 cu.yd. excav. $1.50, etc., total $102,430; to H. H. Day, Bangor (street address not available), 2.32 mi. in Penobscot Co., 4,800 sq.yd. gravel $2.40, 7,000 cu.yd. excav., etc., $1.10, total $32,433. Noted Apr. 26.

Conn., Rockville—Pub. Wks. Comn., 6,000 lin.ft. concrete curb and gutter, and 3,000 lin.ft. concrete sidewalks, to R. Farrell, 33 Grove St. Engrs. est. $25,000. Noted Apr. 19.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, asphalt paving Barrett St., to Borough Asphalt Co., 1301 Metropolitan Ave., $13,104; 49th St., to Cranford Co., 52 9th St., $10,577; 78th St., to Uvalde Asphalt Paving Co., 1 Bway., New York, $9,378; curbing and asphalt paving Ave. K, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $18,135; grading, curbing and flagging Kingsland Ave., to Greico Bros., 172 Russell St., $13,354; Ave. T and 56th St., to G. M. Mandatto, 132 29th St., $11,278 and $3,159 respectively. Noted May 10.

N. Y., Buffalo—Paving Weaver Ave., to Rock Asphalt & Constr. Corp., Morgan Bldg., $36,317; Playter St., to Erie Contg. Co., Morgan Bldg., $25,285; Bryant St., to H. P. Burgard Co., 1968 Fillmore Ave., $34,-190, all asphalt on concrete.

N. Y., East Aurora—Concrete paving South St., to Hessel & Son, East Aurora, $25,000.

N. Y., Peekskill—Bd. Village Trustees, repaving various streets, brick to H. G. Strong, Dobbs Ferry; concrete to Christopher Bros., Peekskill. Noted May 3.

N. J., Roselle Park (Elizabeth P. O.)—Mayor and Boro Council, improving Walnut St., Clay and Sheridan Aves., to C. H. Winans Co., 207 Broad St., Elizabeth, $66,-775. Noted May 10.

Pa., Erie—Asphalt pavement on 29th St., to J. and M. Doyle Constr. Co., Erie, $11,-232; Cherry St., to M. A. McCormick, Erie, $20,554. Noted May 24.

Maryland—State Rds. Comn., Baltimore, concrete surfacing 3 mi. Contr. M-25A, Montgomery Co., to G. B. Mullin Co., 1296 Upshur St. N. W., Wash., D. C., $31,469; 9,200 sq.yd. Contr. AA-32, Anne Arundel Co., to F. W. Steahle & Bro., Annapolis, $36,665; 17,900 sq.yd. Contr. K-22, Kent Co., to Old Line Constr. Co., Chestertown, $50,-968; 12,500 sq.yd. Contr. Ho-33, Howard Co. ,to Thomas, Bennett & Hunter, Westminister, $67,391; 18,500 sq.yd. Contr. G-25, Garrett Co., to F. A. Dennison Co., 260 10th St. N. W., Wash., D. C., $69,433; 9,800 sq.yd. Contr. M-41, and 9,400 sq.yd. Contr. M-36, Montgomery Co., to M. J. Grove Lime Co., Lime Kiln, $37,976, and $30,715 respectively; 12,300 sq.yd. Contr. Ce-44 and 19,300 sq.yd. Contr. Ce-46, Cecil Co., to Broad Creek Constr. Co., Elkton, $40,576 and $52,736 respectively; 7,100 tons rein.-con. base and 7,000 tons bituminous macadam surfacing, Contr. W-25, Washington Co., to H. W. Kaylor, Hagerstown, $89,820. Noted May 24.

Va., Richmond—Vitr. brick paving 4 mi. various streets, to C. M. Weinbrunn, 1015 North 6th St., $178,330; paving 6 mi. various streets to McGuire & Rolfe, Virginia Ry. & Power Bldg., Contr. 1, granite spall $3,419, Contr. 2, asphalt $146,281, Contr. 5, asphalt concrete $25,548.

West Virginia—State Rd. Comn., Charleston, surface treating 22.2 mi. Projects 42, 1037, 2021 and 2022, Raleight Co. and 16.4 mi. Projects 54, 2024, 2009, 1086, 2023, 2025 and 1111, Greenbrier Co., to Ada Constr. Co., Ada, O., $16,353 and $19,317 respectively, 3.5 mi. Projects 79 A and 1068, Pocahontas Co., to Dougher-Boone Constr. Co., Charleston (street address not available), $5,789, 6 mi. Project 1027, Fayette Co., to Fidelity Constr. Co., Mt. Hope, $3,004, 4.8 mi. Projects 34, 60 and 1065, Monroe Co., to O. C. Young, Beckley, $8,773; grading and concrete paving Project 124, Harrison Co., and Project 125, Taylor Co., to Keeley Constr. Co., Clarksburg, $157,956 and $300,-458 respectively; grading and waterbound macadam paving 4.1 mi. Project 3218, Jefferson Co. ,and 1.5 mi. Project 3197 B, Tyler Co., to Edwards-Dunn Co., Greensburg, Pa., $83,537 and $34,204 respectively; grading 5 mi. Project 3142, Pendleton Co., to J. J. Battershill & Son, Virgilina, Va., $105,480; grading and bituminous macadam paving Project 3225 B, Harrison Co., to Rogers & Shumway, Worthington, $225,-459; constructing 4 concrete slab culverts on Project 3077, Brooke Co., to B. A. Cresap, Wellsburg, $4,053. Noted Apr. 12

Fla., St. Petersburg—Granite curbing, brick paving and 5 mi. of 6 ft. concrete sidewalk on 34th Ave. and Foster Hill Dr. in Allendale Terrace Sub., paving to Georgia Eng. Co., St. Petersburg, $18,000; sidewalks to Farmer Concrete Wks., St. Petersburg, $10,000.

Fla., Sanford—To Hutton Eng. & Constr. Co., Sanford, concrete curbing, guttering and asphalt surfacing on 6 in. rock 3rd St. from Sanford to Magnolia Sts. and from Oak to Avacado Sts., 10,371 sq.yd. paving; Central St. from Sanford to French Sts. and Oak St. from 10th to 13th Sts. and Palmetto St. 11,746 sq.yd. paving; 13th and Laurel Sts., 11,139 sq.yd. paving; 2nd St. from Oak to French Sts. and Avocado Ave. from 5th to 9th Sts., 9,764 sq.yd. paving, unit prices; curbing and guttering $0.75 per lin.ft., rock base $0.75 per sq.yd., asphalt $0.97 per sq.yd. Noted Apr. 4.

Ala., Birmingham—Jefferson Co. Bd. Revenue grading and paving 8 mi. North Bessemer Rd. from Fairfield to Bessemer, asphalt on concrete and 7 mi. road from Baines-Bridge to Bessemer via Parkwood, chert macadam, to Newell Contg. Co., 3828 Ave. A, $296,879 and $108,265 respectively; 4 mi. Crestview and Shades Mt. Rd., and 2 mi. Waddel-Edgewood-Rosedale Rd., both bitulithic on macadam, to J. F. Morgan & Co., Woodward Bldg., $122,177 and $47,700 respectively; 5 mi. Robbins Cross Roads to Corner School House, chert, to J. M. Acton, Short Creek, $46,962; 4 mi. Liz Ford-Heard Shoals Rd., chert, to J. O. Wiley, Bessemer, $33,050; 3 mi. Robbins Crossroads to Warrior River, chert, to Vines & Meyer, Wylam, $18,084.

Tenn., Newport—Asphalt paving various streets, to Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, $115,000.

O., Bay Village—Grading and laying 128,-000 sq.ft. stone sidewalks on West Lake Rd., to Cleveland Stone Co., Union Bldg., Cleveland, $45,523. Noted May 10.

O., Cleveland—Curbing and repaving 21,-620 sq.yd. Prospect Ave., asphalt, to Cleveland Trinidad Paving Co., The Arcade, $82,-462. Noted May 10.

Ind., Greencastle—Putnam Co., constructing various roads, to Hundrix Bros., Putnamville, $68,980.

Ind., Indianapolis—Paving 11,571 sq.yd. Bway. and 12,751 sq.yd. New Jersey Rd., asphalt on concrete, to Amer. Constr. Co., 420 West 17th St., $25,100 and $25,995 respectively. Engrs. est. $27,250 and $27,-602 respectively.

Ind., Noblesville—Hamilton Co., grading and gravel surfacing 5.1 mi. Jones Rd., 24 ft., to J. Cowles, Noblesville, $52,446. Engrs. est. $59,420.

Mich., Bad Axe—Huron Co. Rd. Comn., grading and gravel surfacing 7 mi. Assessment Dist. Rd. 206, to R. Rankin, Bad Axe, $61,845.

Mich., Cassopolis—Cass Co. Rd. Comn., grading and gravel surfacing 7 mi. Assessment Dist. Rd. 8, to Hoehle Constr. Co., 104 Everard St., Jackson, $43,122. Noted May 10.

Mich., Detroit—Paving various streets with 3½ in. sheet asphalt on 8 in. concrete, to Detroit Asphalt Paving Co., 20 McGraw Bldg., Casper Ave. $24,552, Dodge Ave. $22,288, Eastlawn Ave. $12,822, Genesee Ave. $24,479, Livernois Ave. $134,253, Linsdale Ave. $6,181, Navy Ave. $74,445, Six Mile Rd. $92,332, Wager Ave. $17,311; to G. R. Cooke, 1260 Penobscot Bldg., Brentwood Ave. $31,888; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., Glendale Ave. $45,196. Noted May 10.

Mich., Saginaw—Saginaw Co. Rd. Comn., grading and gravel surfacing 3,023 mi. Assessment Dist. Rd. 48, to F. McNally, 1115 South Thompson St., $29,862. Noted Apr. 26.

Streets and Roads (Continued)

Wis., Milwaukee—Concrete paving, etc., 9 alleys, to Clayton Constr. Co., 397 Farwell St., $50,411; 1 alley, to Bodeman Constr. Co., 691 48th St., $2,475; 4 alleys, to Ryback & Cadowski, 1092 2nd Ave., $26,652; 5 alleys, to Czerwinski Constr. Co., 376 16th Ave., $21,642; 1 alley, to J. B. McCarthy, 3332 State St., $3,349; 2 alleys, to J. Bluhm & Son, 1298 Achilles Pl., $7,942.

Wis., North Fond du Lac—Paving, curbing and guttering various streets, vibrolithic concrete, to L. A. Larson & Co., 104 Main St., Oshkosh, $55,796. Engrs. est. $50,000.

Ia., Clarion—Wright Co., grading 6.942 mi. road from Eagle Grove south, to J. W. Reed & Son, Ft. Dodge, 94,388 cu.yd. excav. $0.245; Knutsen & Christensen, Marble Rock, 19,292 ft. 6 in. tile $0.104, 2,500 ft. 10 in. $0.2o, and 12 tile intakes $18. Noted Mar. 15.

Ia., Manchester—Delaware Co., grading, etc., 8.5 mi. primary road from Thorpe north to county line, 117,432 cu.yd. rock and 10,310 cu.yd. rock excav., etc., to S. J. Groves & Sons, Globe Bldg., Minneapolis, Minn., $56,440.

Ia., Onawa—Monona Co., grading 15.34 mi. roads northwest and southeast of here, 147,034 cu.yd. excav., to J. O'Connor, 231 Park Ave., Council Bluffs, $0.18, total $26,691. Noted Apr. 19.

Minn., Breckenridge—Wilkin Co., Job 2301 State Rd., 6, 60,203 cu.yd. excav., 150,755 cu.yd. overhaul clay surfacing, to F. Spaufelner, Barnesville, $27,020; 1,174 lin.ft. 18-36 in. portable culverts, to Klauer Mfg. Co., 9th and Washington Sts., Dubuque, $2,039; 5 monolithic culverts to Wistine Bros., Herman, $2,845; two 20 ft. concrete slab bridges to Bajumpa & Lappi, Ottertail, $4,730. Noted Apr. 26.

Kan., Iola—Allen Co. grading, bridging and paving 5,187 mi. Federal Aid Project 125, Sect. B, to Harrison Eng. & Constr. Corp. of New York, 418 Sedgwick Bldg., Wichita, $160,244. Noted Apr. 19.

S. D., Elkpoint—Paving 6 blocks with concrete, to Booth & Oelson, 120 Virginia St., Sioux City, Ia., $2.13. Engrs. est. $50,000. Noted Apr. 19.

Tex., Leonard—For 11,403 sq.yd. vertical fibre brick on concrete, to J. C. Field & Co., Denison, $42,862.

Tex., Marshall — For 8,430 sq.yd. 3 in. vertical fibre brick on 4 in. concrete, to Cocke & Turner, Marshall, $41,229. Noted Apr. 19.

Tex., Rockwall—Rockwall Co. 50,000 sq.yd. concrete road, to McCollum Constr. Co., F. & M. Bldg., Ft. Worth, $132,273. Noted May 10.

Tex., San Augustine—San Augustine Co. grading, gravel surfacing, etc., 4.41 mi. Kings Highway, to R. H. Minton, Hemphill, $39,144.

Wyoming—State Hy. Comn., Cheyenne, grading and surfacing 5.5 mi. Lingle-Lusk Rd., Federal Aid Project 150-A, Goshen Co., to Connelly & Randolph, Lingle, $25,-113, also 1 bridge to M. F. Levy, 630 Symes Bldg., Denver, Colo., $7,236; grading and building 3 treated timber bridges on Worland-Tensleep Rd., Federal Aid Project 108, Sect. D, Washakie Co., to Taggart & Tebbs Co., Cowley, $31,666; widening and placing bituminous concrete wearing course on 5 mi. Casper-Salt Creek Rd., Federal Aid Project 19, Natrona Co., to Warren Constr. Co., Kansas City, Mo. (street address not available) $97,964; crushed rock surfacing 12 mi. Sundance-Beulah Rd., Federal Aid Project 25, Crook Co., to M. J. Kenny Constr. Co., 832 Lafayette St., Denver, Colo., $39,800; grading and surfacing 5.5 mi. Lincoln Highway, Laramie-North Rd., Federal Aid Project 152, Albany Co., to Bowman & Gustafson, Laramie, $30,002; grading, surfacing and bridge construction on 8 mi. Yellowstone Highway, Federal Aid Project 144, from Cheyenne, north, Laramie Co., to Tyler & Baker Constr. Co., Rock River, $44,981, also bridge to M. J. Levy, 630 Symes Bldg., Denver, Colo., $12,953. Noted May 18.

Ore., Portland—Paving 59th Ave., East 86th, East 88th and Hallock Sts., 24 and 30 ft., 3 blocks with oiled waterbound macadam and 1 block with 6 in. concrete, to P. W. Yett, 262 6th St., macadam $1.25, concrete $1.20, total $42,644. Noted Apr. 19.

Calif., Daly City—Paving Winchester and Acton Sts., etc., with 1½ in. asphaltic concrete on 4 in. concrete, to Eaton & Smith, 715 Ocean Ave., San Francisco, $31,500. Noted May 3.

Calif., Los Angeles—Grading, concrete paving, sidewalks and curbing Western Ave. between Slauson and Manchester Sts., 673,600 sq.ft. 6 in. concrete, etc., to Tyron & Brain, Tajo Bldg., $259,186. Noted May 24.

Calif., San Jose—To R. S. Crummey, Keyes and 5th Sts., grading and paving 7th St. between William and Reed Sts., 34,318 sq.ft. 1½ in. warrenite bitulithic on 3 in. asphaltic concrete, incl. grading, $0.25, etc.; 6th St. between Keyes and Humbodlt Sts., 26,189 sq.ft. 1½ in. warrenite bitulithic on 3 in. asphaltic concrete, incl. grading, $0.25, 1,378 sq.ft. concrete gutter $0.24. Noted May 17.

Calif., San Jose—Grading, curbing, guttering, sidewalks and paving portion 10th, 5th and 16th Sts., to A. J. Raisch, 46 Kearny St., San Francisco, 103,779 sq.ft. 3 in. Durite asphaltic concrete base with 1½ in. surface, incl. grading, $0.25, etc., total to exceed $25,000.

Ontario—Dept. Pub. Highways, 110 University Ave., Toronto, grading 2½ mi. from Welcome Corners to Dale, Contr. 1006, to J. R. Wilkinson, Port Hope, $15,000; grading 6 mi. Beachburg easterly, Contr. 1005, to J. R. McQuigge, Arnprior, $20,000; macadam base course from Dunnville easterly, to Bate, McMahon Co., Central Chambers, Ottawa, $75,000.

Ontario—Dept. Pub. Highways, 110 University Ave., Toronto, paving 3.9 mi. in Goderich, **Contr. 845**, 6 mi. from Seaforth to Mitchell, **Contr. 846**, 4 mi. from Clinton to Seaforth, **Contr. 911**, 3.2 mi. in Clinton westerly, **Contr. 950**, and 4 mi. from Caledonia to Hagersville **Contr. 875**, to Webster Constr. Co., Bank of Toronto Bldg., London; 3 mi. Brampton west, **Contr. 925**, 4.8 mi. Harriston westerly, **Contr. 868** and 7 mi. in Durham South, **Contr. 945**, to Britnell Contg. Co., Baxter St., Toronto; 1.9 mi. Brampton South, **Contr. 870**, 0.3 mi. Chatsworth S., **Contr. 880**, and 3.6 mi. Chatsworth N., **Contr. 881**, to Canadian Eng. & Contg. Co., 72 James St., Hamilton; 4 mi. from Acton to Georgetown, **Contr. 810**, and 10.4 mi. Brampton N., **Contr. 924**, to R. McDonald Constr. Co., Crown Office Bldg., Toronto; 7.1 mi. Walkerton westerly, **Contr. 867**, to Warren Bituminous Paving Co., 54 University Ave., Toronto; 1 mi. from St. Davids to Queenston, **Contr. 869**, to Law Constr. Co., 107 Hillsdale Ave. E., Toronto; 2.3 mi. from Becketts Bridge to Forks Rd., **Contr. 871**, to W. J. McAuliffe, 85 Colbeck St., Toronto; in Delhi Village **Contr. 872**, to G. A. Smith, Delhi; 9.4 mi. from St. Thomas to Aylmer, **Contr. 873**, to M. L. McLean, Simcoe; 4 mi. Sarnia Gravel Rd. from Arkona side road westerly, **Contr. 844**, by day labor; 4 mi. Marden North, **Contr. 808**, to T. B. Farrell, Arthur; 4 mi. Plantagenet East, **Contr. 835**, to A. Bissonette, Alfred; 8 mi. Haleys Deviation, **Contr. 838**, to Grant Bros., Natl. Bank Bldg., Ottawa; 5 mi. from Whitby to Lindsay, **Contr. 842**, to Lumsden Eng. & Transport Co., 6 Adelaide St. E., Toronto; 5 mi. from Whitby to Lindsay Rd., **Contr. 843**, to G. A. Chenery, Whitby; Slego Hill, **Contr. 877**, and North Creek, **Contr. 878**, to Cameron Bros. & Hutt, Berwick; 5.1 Mi. from Hagersville to Jarvis, **Contr. 914**, to R. Honsberger, Vineland; 4.7 mi. Washago South, **Contr. 961**, to A. B. McLeod, London; 5.2 mi. Beachburg, westerly, **Contr. 922**, to J. R. McQuigge, Arnprior; 2.9 mi. from Oldcastle to Dougal Rd., **Contr. 926**, to G. Campbell, R. R. 4, Essex; 4.2 mi. from Greenock to Kinloss Twps., **Contr. 930**, to T. G. McLean, Wingham; 5.3 mi. near Arthur, **Contr. 931**, to J. Gaffney, West Moncton; 3 mi. from Aylmer easterly, **Contr. 932**, to L. E. Dancy, Woodstock; 1.8 mi. Hawkesbury, west, **Contr. 902**, to V. Belanger, Hawkesbury; 4.1 mi. from Richardson side road to town line, **Contr. 903**, to Laplante & Lerouse, Box 941, Cornwall; 4 mi. near Elgin, **Contr. 905**, to M. G. Hennings & Co., Smiths Falls; 4 mi. Kenilworth north, **Contr. 906**, to C. Cook & Co., Orillia; 4.8 mi. from Arkona south to Sarnia gravel road, **Contr. 910**, to H. Tweedle, Allsa Craig; 2½ mi. Clifford westerly, **Contr. 912**, to J. Milligan, Iroquois; 4.9 mi. Tillsonburg easterly, **Contr. 913**, to Stewart Constr. Co., Paris; 2 mi. from Stittville to Stanleys Corners, **Contr. 943**, to McNamara Bros. & Thornton, 23 Scott St., Toronto; 4 mi. Elgin north, **Contr. 944**, to M. G. Hennings & Co., Smiths Falls; 4 mi. near Oxford, **Contr. 946**, and 5 mi. at Ekfred, **Contr. 947**, to W. C. Crummer & Strain, Cedar Springs; 1.4 mi. near Parkhill, **Contr. 949**, by day labor; Forks Rd. in Welland Co., **Contr. 952**, to W. T. McAuliffe, 85 Colbeck St., Toronto; 1.4 mi. Proof Line 9th and 11th Concessions, **Contr. 953**, by day labor. G. Hogarth, ch. engr. Noted March 8.

Ontario—Dept. Pub. Highways, 110 University Ave., Toronto, concrete pavements 20-30 ft. wide, 0.54 mi. Manotick, **Contr. 829**, to Lumsden Eng. & Transport Co., 7 Adelaide St. E., Toronto, $25,000, 0.5 mi. North Gower **Contr. 839**, and 1 mi. Keptville **Contr. 840**, to King & Holmes, Oakville, $75,000, 3.11 mi. Kitchener **Contr. 916**, to C. Damman, 21 Albert St. E., Kitchener, $120,000, 1.4 mi. Welland westerly **Contr. 862**, to Brennan Contg. Co., Melrose Ave., Hamilton, $60,000, 3.7 mi. westerly from end of pavement at Chatham **Contr. 827**, to McNamara Bros. & Thornton, 23 Scott St., Toronto, $150,000, 2 mi. from Clappissons Corners to Bridge 3 **Contr. 828**, to Trans-Canada Paving Co., Hamilton, (street address not available), $75,000, 2.75 mi. Crumlin easterly **Contr. 894**, to Bess & Brazier Constr. Co., London, $90,000, 4 mi. from Essex to Maidstone **Contr. 895**, to Campbell & Lallimore, Canadian Pacific Ry. Bldg., Toronto, $130,000, 2 mi. St. Thomas easterly **Contr. 938**, to E. G. Martin, Elmira, $75,000 asphaltic concrete pavements, 20-40 ft. wide, macadam base, 7.5 mi. from Stittville to Belle Corner, **Contr. 939**, to Grant Bros., Bank Natl. Bldg., Ottawa, $400,000, 5.1 mi. from Pickering to Whitby **Contr. 897**, to D. O. Johnson, 43 Market St., Brantford, $400,000, 4.4 mi. Kingston Rd. from Grand Trunk Ry. tracks easterly **Contr. 918**, to Provincial Paving Co., 24 Adelaide St. W., Toronto, $350,000, 4 mi Hamilton southerly **Contr. 898**, to Hamilton Contg. Co., 72 James St., Hamilton, $320,000; macadam base course mostly 20 ft. wide 5.7 mi. Caledonia North, **Contr. 834** and 2.3 mi. from Beckitts Bridge to Chambers Corners **Contr. 901**, to Law Contg. Co., 107 Hillsdale Ave. E., Toronto, $90,000, 5.5 mi. Clarence and North Plantagenet Twps. **Contr. 866**, to Berthiaume & Co., Hawkesbury, $60,000, 3 mi. Farrans Point easterly **Contr. 876**, to F. Milligan & Co., Orillia, $35,000, 5 mi. Perth north easterly **Contr. 960**, to McNamara Bros. & Thornton, 23 Scott St., Toronto, $60,000, 1.9 mi. near Summerstown **Contr. 942**, and 3.9 mi. Yonge Twp., **Contr. 900**, to Chisholm Wellage Co., Cedar St., Brookville, $25,000 and $45,000 respectively 3.8 mi. near Cornwall **Contr. 920**, to W. T. Woodland, Cardinal, $45,000, 3.7 mi. from Farrans Point westerly **Contr. 865**, to McLean & Stidwell, Cornwall, $45,000, 4.8 mi. from Cayuga to Nelles Corners **Contr. 941**, to J. Pearson, Stevensville, $60,000, waterbound macadam pavement 20-30 ft. wide, 0.3 mi. Morrisburg **Contr. 832**, to McLean & Stidwell, Cornwall, $9,000, 4 mi. Rideau north east **Contr. 833** and 3.1 mi. Odessa easterly **Contr. 899**, to McGinnis & O'Connor, Kingston, $80,000 and $60,000 respectively; surface treatment of macadam roads with tar, 12.3 mi. from Cornwall to Lancaster, **Contr. 849**, and 5 mi. from Orillia to Washago, **Contr. 851**, to J. B. Dunkley, Northcliffe Blvd., Toronto, $40,000, 4.7 mi. Barriefield **Contr. 850**, to W. Huber, 97 Keele St., Toronto, $15,000, 16.4 mi. from Dunnville to Cayuga and 9.5 mi. from Peterboro southerly, **Contr. 883**, to Law Constr. Co., 107 Hillsdale Ave. E., Toronto, $50,000. Noted March 8.

Ont., Cobourg—Paving 14,000 sq.yd. bitulithic pavement on concrete with concrete curbs and gutters to Warren Bituminous Paving Co., 54 University Ave., Toronto, $64,188 for 2 in. surface and $67,930 for 2 in. surface. Engrs. est. $75,000.

Que., St. Lambert—To Warren Bituminous Co., 54 University Ave., Toronto, Ont., 93,000 ft. 4 ft. 6 in. sidewalk and 18 in. gutter, $218,000.

Ont., Stratford—For 35,000 sq.yd. asphalt pavement to Merlo, Merlo & Ray, Sandwich St., Ford, $55,000; 35,000 sq.yd. 6 in. concrete base and 32,000 lin.ft. concrete curb and gutter to L. Malcolm, 167 Collingwood St., Kingston, $81,000.

British Columbia—Grading and gravel surfacing 4.24 mi. Edgewood-Vernon Rd., to Rawlings & Labrash, Nakusp, $50,000; grading and laying 8 in. one course concrete on 2.38 mi. road, to Cotton Co. Ltd., Cambie Bridge, Vancouver, $78,000; 2 mi. Warrenite bitulithic surface on old macadam base on Chilliwach-Rosedale Rd., to Columbia Bitulithic Co., 402 Pender St. W., Vancouver, $50,000.

Industrial Works

PROPOSED WORK

Mass., Boston—Chamberlain Garage Inc., c/o L. Joselyn, archt., 339 Newbury St., having plans prepared 4 story, 88 x 185 ft. garage, rein.-con., plain foundation, Stoneholm St. $300,000.

Mass., Boston—Hunt-Spiller Mfg. Corp., 385 Dorchester Ave., takes bids about June 4, 1 story, 135 x 240 ft. foundry, rein.-con. and steel, wood pile foundation. Total cost incl. machinery $500,000. Andrews, Rantoul & Jones, 50 Congress St., archts.

Conn., Bristol—Blakesley Novelty Co., 82 Laurel St., had plans prepared 1 story, 40 x 50 ft. factory, brick and steel, plain foundation, Laurel St. $40,000. Private plans.

Conn., Hartford—Standard Mattress Co., 71 North St., rejected bids 4 story, 40 x 52 ft. factory, rein.-con. and brick, plain foundation, North St., $40,000. Will revise

Industrial Works (Continued)
plans. Gillen-Storrs & Co., 118 Asylum St., archts. and engrs. Noted Mar. 22.

Conn., New Britain — Amer. Hardware Corp., Franklin St., had plans prepared 2 story, 15 x 30 ft. power house, brick, plain foundation. Park St. $50,000. Private plans.

Conn., Putnam—J. E. and E. Stoumbelis having plans prepared by L. E. Conway, Goldsmith Blk., New London, 2 story, 60 x 90 ft. garage, brick and steel, plain foundation, Bundy St. $40,000.

Conn., Southington—E. Rogers plans 3 story cold storage plant, brick and concrete, plain foundation. $45,000. Engineer and architect not selected.

Conn., Stamford—J. and S. Gruber having plans prepared by Emmens & Abbott, Washington Bldg., 2 story, 80 x 90 ft. garage, brick and steel, plain foundation, Beckley Ave. $55,000.

N. Y., Watervliet—Foreman & Clark Mfg. Co., 2409 2nd Ave., plans factory, 25th St. $165,000. P. Hogan, supt.

Pa., Danville—Danville Galvanizing Co. plans plant. $50,000. Engineer and architect not announced.

Pa., Lykens—Amer. Briquette Co. plans to rebuild factory recently destroyed by fire. $50,000 to $60,000. Engineer and architect not announced.

Pa., Salemville — Keystone Coal & Coke Co. plans to rebuild major portion of washery recently destroyed by fire. $100,000. Engineer and architect not announced.

Pa., Snydertown — Plymouth Anthracite Coal Co. plans to rebuild coal washery plant recently destroyed by fire. $100,000. Engineer and architect not announced.

D. C., Wash.—Labor Co-operative Educational and Publishing Society, Inc., having plans prepared by Pierson & Wilson, Washington Loan & Trust Bldg., for publishing plant, 30th and B Sts., S. W.

N. C., Kinston—See "Buildings."

Ga., Hogansville—Lockwood, Greene & Co., archts., 24 Federal St., Boston, soon takes bids concrete mill, containing 250,000 ft. floor space, here, for International Cotton Mills.

Fla., Orlando—I. K. Berman and J. N. Wigfall having plans prepared 1 story, 100 x 120 ft. laundry, brick, Concord Ave. $100,000.

Ala., Birmingham — Standard Sanitary Mfg. Co., Bessemer Bldg., Pittsburgh, Pa., plans 150 x 190 ft. warehouse, first unit of factory, here. $100,000. Engineer and architect not selected.

La., New Orleans — Longsfield Bros., Baronne and Lafayette Sts., soon takes bids 127 x 160 ft. brick factory, Tchoupitoulas and Calliope Sts. M. Goldstein, Hibernia Bank Bldg., archt.

Ky., Louisville—Louisville Petroleum Refining Co. plans oil refinery, 1,000 bbl. $250,000. Engineer and architect not selected.

O., Cincinnati—Rauh & Mack Shirt Co., 209 East 6th St., having plans prepared by G. Drach, 1701 Union Trust Bldg., 8 story, 50 x 145 ft., rein.-con. factory addition, plain foundation. $400,000.

O., Cleveland—Standard Oil Co., c/o J. A. Watterson, East Ohio Gas Bldg., plans 2 or 3 story candle factory, brick, steel and concrete, East 65th St. $100,000. Private plans.

Ind., Jeffersonville — Jeffersonville Canning Co., Court and Walnut Sts., plans canning plant, concrete blocks. $40,000. Engineer and architect not selected.

Wis., Cambridge — Bd. Educ. plans 1 story central heating plant, brick, rein.-con. and steel, plain foundation. $50,000. L. C. Banker, supt. Engineer and architect not selected.

Wis., Fond du Lac—St. Agnes Hospital, 390 East Division St., having preliminary plans prepared by R. E. Schmidt, Garden & Martin, engrs., 104 South Michigan Ave., Chicago, power house and equipment. $45,000.

Wis., Madison—Chicago & Northwestern Ry., East Madison St., making plans 1 story, 60 x 200 ft., power house and machine shop, brick, rein.-con. and steel, plain foundation. $150,000. A. W. Bowers, 201 South Blair St., divisional agt.

Wis., Madison—See "Buildings," under "Store."

Wis., Mayville—Feilback Mfg. Co. plans 2 story, 80 x 90 ft., brick, rein.-con. and steel factory, plain foundation. A. O. Feilback, mgr. Engineer and architect not selected.

Wis., Milwaukee—Milwaukee Journal Co., 182 4th St., had plans prepared 5 story and basement, 50 x 202 ft., brick and concrete plant, plain foundation, 4th St. F. D. Chase, Inc., 645 North Michigan Ave., Chicago, engrs and archts.

Wis., Stevens Point—Journal Printing Co., 114 North 3rd St., having plans prepared by Oppenhamer & Obel, Spencer Bldg., Wausau, 1 story and basement, 47 x 120 ft., brick and concrete plant, plain foundation. $60,000.

Minn., Fergus Falls—E. J. Windmiller, prop. of Star Laundry, plans 1 story, 45 x 150 ft. laundry, brick.

Minn., Hibbing—Oliver Iron Mining Co., Wolvin Bldg., Duluth, plans ore crushing plant for Hibbing Dist. mines, will include spurs and yard changes. $2,000,000.

Kan., Arkansas City—Ranney Davis Mercantile Co., (owner), and W. L. McAtel, archt., Johnson Bldg., takes bids about June 15, 2 story and basement, 100 x 132 ft., rein.-con. brick and stone warehouse, 1st St. $100,000.

Mo., Kansas City—Opie Brush Co., 700 East 19th St., plans 3 story and basement, rein.-con., brick and stone factory, 612 Southwest Blvd. $125,000. Engineer and architect not selected.

Mo., Springfield—Lipscomb Grain & Seed Co., 540 Wall St., had plans prepared 2 story, 53 x 100 ft. warehouse, with 6 tanks 73 ft. high, 28 x 32 ft. elevator, 136 ft. high, rein.-con., brick and steel. $150,000. Southwest Eng. Co., Woodruff Bldg., engrs.

Tex., Breckenridge—Magnolia Petroleum Co. plans large carbon black plant. $200,000. Engineer and architect not announced.

Tex., Tyler—Byrne Publishing Co. soon takes bids rebuilding 2 story, brick plant, plain foundation, recently destroyed by fire. $75,000. Engineer and architect not announced.

Okla., Tulsa—Oklahoma Steel Castings Co., 411 Central Natl. Bank Bldg., having plans prepared 2 story plant addition. $50,000. Private plans.

Wash., Seattle—Frederick & Nelson, 5th and Pine Sts., plan 120 x 120 ft. warehouse and garage, in Westlake Ave. Dist.

Wash., Seattle—F. S. Harmon Co., Inc., 1524 5th St., plans 6 or 8 story, steel and concrete warehouse, Westlake Ave. Dist.

Ore., Portland—Grand Rapids Showcase Co., 100 Coldbrook St., Grand Rapids, Mich., or c/o Chamber of Commerce, Portland, takes bids about June 23, 4 story, 100 x 400 ft. sheds, rein.-con., on 6 acre tract near here. $600,000. S. D. Young, pres. Engineer or architect not selected.

Calif., Glendale (Los Angeles, P. O.)—H. C. Powell (Rogers Una-Drive Motor Truck Co.), 105 East Colorado St., plans 1st unit of motor truck plant. To exceed $50,000. Engineer and architect not selected.

Calif., Los Angeles—Armour & Co., 119 Central Ave., having plans prepared 3 story and basement, rein.-con. warehouse, Central Ave. $115,000. Private plans.

Calif., San Francisco—J. Allec, 2140 Folsom St., having plans prepared by A. S. Bugbee, 26 Montgomery St., 1 story and mezzanine, 200 x 213 ft. rein.-con. factory, Folsom and 17th Sts. $80,000. E. R. Bacon Co., 51 Minna St., lessee.

Calif., San Jose—Santa Clara Co. had plans prepared by Binder & Curtis, 255½ South 1st St., rein.-con. power house, on county hospital grounds. $90,000.

Calif., Wilmington—White Star Oil Syndicate, Lowes State Bldg., Los Angeles, plans refinery, 2,500 gal. daily capacity. To exceed $100,000.

Ont., Ottawa—City plans central heating plant. A. F. Macallum, city engr.

Ont., Saulte Ste. Marie—Great Northern Gas Co., Ltd., plans gas plant and new gas mains. $100,000. R. G. Finnegan, c/o owner, engr.

Ont., Toronto—Kilgour Bros., 21 Wellington St. W., having plans prepared by D. C. Cotton, 54 Adelaide St. W., 2 or 3 story and basement, 90 x 120 ft., brick and steel factory, plain foundation, Wellington St. $150,000.

Que., Montreal—Central Garage, 249 Laval Ave., plans rein.-con. garage. $60,000. Gascon & Parent, 502 St. Catherine St. E., archts.

Que., Montreal—Drummond McCall & Co. Ltd., 28 Victoria Sq., plans 4 story rein.-con. warehouse, Wellington St. $200,000.

BIDS DESIRED

O., Cleveland—J. Miller, 2701 East 55th St., taking bids and opens same about June 10, 1 story, 85 x 140 ft., brick and steel garage, East 55th St. and Bragg Rd. $40,000. Private plans.

Mich., Menominee—Lloyd Mfg. Co., State St., taking bids 3 story 72 x 400 ft. rein.-con. factory, State St. $75,000. Hubert & Nelson, Menominee, archts.

Wis., Medford—Frendle Bros. Co., c/o H. Grann taking bids 1 story, 50 x 100 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation. J. G. Schneider, Arcadia, archt. $40,000. Noted Apr. 26.

Wis., Port Washington — Schmit Bros. taking bids 1 story and basement, 52 x 100 ft. garage addition, brick and concrete, plain foundation. $40,000. F. Graf, 307 Grand Ave., Milwaukee, engr. Noted May 17.

Wis., Sheboygan—W. C. Weeks, archt., 720 Ontario Ave., taking bids 1 story 50 x 90 ft. factory and dry kiln building, brick and rein.-con., plain foundation, for Lincoln Plywood Co., South Water St. and New York Ave. $50,000. Noted May 3.

Mo., St. Louis—Great Western Smelting & Refining Co., 3100 North Bway., taking informal sub-bids 1 and 2 story and basement, 100 x 400 ft., brick, concrete and steel foundry, Bway. $150,000. Work will be done by separate contracts under supervision of J. M. Hirshstein, archt., 5777 Delivers ville Ave.

Mo., St. Louis—June 6, by J. G. Jonah, ch. engr., St. Louis & San Francisco Ry., 900 Olive St., 20 stall roundhouse, power plant, car repair and machine shops, mill shop, 2 wash and repair rooms, etc., Fyler Ave. and Frisco right-of-way, Lindenwood, here. $500,000. Noted Mar. 8.

Tex., Wichita—Texhoma Oil & Refining Co. taking bids 4 unit cracking plant, 5,000 bbl. daily capacity with 2,000 bbl. fuel oil. $500,000. W. B. Hamilton, pres. Private plans.

Calif., Los Angeles—W. J. Saunders, archt., 227 Laughlin Bldg., receiving bids 1 story, brick addition to plant, and new 3 story, rein.-con. laundry, Crocker St., for Home Service Co., 779 Towne St. To exceed $60,000. Noted Apr. 12.

Calif., Sacramento—Eng. Dept. of Western Pacific R.R. Co., Mills Bldg., San Francisco, receiving bids 1 story, rein.-con. and steel additions to Jeffery shops. To exceed $50,000. Private plans.

Ont., Walkerton — June 18, by F. B. James, archt., County Bldg., concrete and brick central heating plant for county buildings. Bruce Co., owner. $50,000.

CONTRACTS AWARDED

Mass., Everett (Boston P. O.)—Boston Elevated Ry. Massachusetts Ave., Boston, 2 story, 118 x 175 ft. repair shops, brick, and steel, plain foundation, here, to Simpson Corp., 77 Summer St., Boston, $300,000. Archts. est. $275,000.

Mass., Fall River—M. and G. Colovas and G. Vlhes, 2 story, 100 x 175 ft. garage, rein.-con., 4th and 5th Sts., to Greany & Sherry, 175 Main St., $100,000. Archts. est. $125,000.

Mass., Waltham — J. L. Thomson Mfg. Co., Roberts Sta., 3 story, 50 x 220 ft. factory, brick and steel, plain foundation, South St., to W. H. Whitcomb Constr. Co., 6 Beacon St., Boston. Archts. est. $100,000.

R. I., Providence—What Cheer Stables Co., Benefit and Meeting Sts., 2 story addition to garage and service station, brick and steel, plain foundation, to C. I. Bigney Constr. Co., 357 Westminster St. Archts. est. $75,000. Noted May 24.

Conn., New Haven—Dutee Wilcos Flint, Inc., 51 Bway., 1 story, 50 x 170 ft. plant addition, brick and steel, plain foundation, James and River Sts., to Sullivan & McKeown, 937 Dixwell Ave. Archts. est. $40,000.

Conn., New Haven — New Haven Gas Light Co., 80 Crown St., 1 story, 66 x 135 ft. boiler house, brick and steel, East Chapel St., to Standard Constr. Co., 53 Court St. Archts. est. $50,000.

Conn., Norwalk—Daynor Realty Co., Day St., South Norwalk, 3 story, 115 x 200 ft. warehouse, brick, plain foundation, here, to Mattiello & Lasprogato, 62 Meadow St., South Norwalk. Archts. est. $70,000.

N. Y., Binghamton—Truitt Bros. Co., 32 Commercial Ave., will build 2 story, 80 x 120 ft., brick and steel factory addition, by day labor under supervision of H. S. Gardner, archt., Ack. Bldg. $40,000.

N. Y., Green Island (Troy P. O.)—Manning Abrasive Co. will build 3 story, 50 x 135 ft., brick and concrete factory, plain foundation, 26th St., by day labor. $175,000. H. Eldred, Green Island, archt. and engr.

Industrial Works (Continued)

N. Y., New York—Atlantic Warehouses, Inc., 4 story, 78 x 117 ft. and 1 story, 50 x 80 ft. rein.-con. bakery, in Bronx, to Turner Constr. Co., 244 Madison Ave. Great Atlantic & Pacific Tea Co., lessee.

Pa., Grove City—Bessemer Gas Engine Co. will build 2 concrete and steel additions to factory, 80 x 180 ft. foundry and paint shop, and 76 x 180 ft. storage house, by day labor.

Pa., Kingston—(Wilkes Barre P. O.)—Glen Alden Coal Co., constructing boiler plant, 85 x 90 ft. 68 ft. high, with 32 x 69 ft. wing, 41 ft. high, at Pettebone Collery, to Turner Constr. Co., 11 Goodell St., Buffalo, N. Y.

Pa., Pittsburgh—Standard Sanitary Mfg. Co., Bessemer Bldg., 1 story, 38 x 148 ft. brick and steel plant, 527 Preble Ave., to B. A. Groah Constr. Co., 847 West North Ave.

Pa., Uniontown—Richmond Radiator Co., 1480 Bway., New York City, 1 story, 80 x 92 ft. and 50 x 75 ft. brick, corrugated iron and steel plant, Pittsburgh Rd., to Truscon Steel Co., 3354 Delaware Ave. Engrs. est. $50,000.

W. Va., Warwood—United States Fibre Box Co., Martindale St. and Roosevelt Ave., Indianapolis, Ind., 2 story, 80 x 200 ft. factory, here, to J. A. Shumacher, 818 East St. Clair St., Indianapolis, Ind.

O., Cleveland—Greenwald, Stecher & Wallach, Society for Savings Bldg., 1 story, 125 x 135 ft., brick and steel garage, Central Ave. near East 14th St., to Mikelson & Lindhorst, Discount Bldg. Archts. est. $50,000.

O., Cleveland—Schonberg Printing Co., 102 St. Clair Ave., N. W., 1 story, 50 x 129 ft. and 20 x 25 ft., brick, steel and concrete, factory, boiler house and garage, East 25th St. and Payne Ave., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $50,000.

Mich., Detroit—Hupp Motor Car Co., 3501 East Milwaukee Ave., 120 x 504 ft. rein.-con. brick and steel plant, Mt. Elliott Ave., with depressed tracks, loading docks, tunnel, etc., to Everett Winters Co., 751-754 Book Bldg., $500,000.

Wis., Burlington — Patefield Bros. Co. will build 2 story, 50 x 70 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation, by day labor. Private plans. Noted May 17.

Wis., Green Bay — Joannes Bros., 118 South Washington St., 5 story, brick and concrete warehouse, and 1 story addition to spice mill, brick and timber, plain foundations, to H. J. Selmer Co., McCartney Natl. Bank Bldg. Archts. est. $50,000.

Wis., Kiel—Kiel Machine Co., 1 story, 62 x 84 ft., brick and concrete machine shop, plain foundation, to Neumann Bldg. Co., Kiel. Archts. est. $40,000. Noted May 10.

Wis., La Crosse—Weisse Mfg. Co., Caledonia and Gilett Sts., will build 1 story, 70 x 200 ft., factory, boiler house and shaving vault, brick, rein.-con. and steel, plain foundation, by day labor. $75,000. O. J. and R. E. Sorensen, 216 Main St., archts. Noted Mar. 29.

Wis., Madison—Wiedenbeck-Doblein Co., 601 West Mifflin St., 99 x 137 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation, Bedford St., to Wisconsin Constr. Co., 102 South Orchard St. Archts. est. $40,000.

Wis., Milwaukee—Rohn Automobile Renewal Co., 711 Chestnut St., 1 story, 60 x 160 ft., brick and steel factory, plain foundation, Sycamore St., to Coddington Eng. Co., 290 3rd St. Archts. est. $50,000.

Wis., Milwaukee — Manufacturers Box Co., 32 Keefe Ave., 1 story, 100 x 110 ft. factory addition, brick and timber, to P. Riesens Sons, 1018 Humboldt Ave. Archts. est. $40,000.

Wis., Milwaukee—Western Leather Co., 878 Marshall St., 1 story, 40 x 140 ft. boiler house, brick and concrete, plain foundation, to A. W. Riesen, 409 Bway. Archts. est. $65,000.

Wis., Racine—Belle City Malleable Iron Co., Kewaunee St., 1 story, 145 x 230 ft., core and mill building, brick, rein.-con. and steel, plain foundation Forrest St., to Nelson & Co., Inc., Janes Bldg. Archts. est. $125,000. Noted Oct. 26.

Ia., Cedar Rapids—Iowa Ry. and Light Co., Bowes Bldg., power plant to T. Stark & Co., 118 South 11th St., W. Engrs. est. $250,000.

Mo., Kansas City—Sheet Metal Products Co., 1819 Central St., general contract 1 story, 125 x 305 ft., rein.-con., brick, steel and stone factory, to Bickel Co., 700 Interstate Bldg., $60,000.

Tex., Dallas—Dallas Textile Mills, c/o J. P. Burrus, Pres., Interurban Bldg., 3 story, brick, concrete and steel plant, plain foundation, in Love Field Industrial Dist., to Inge Constr. Co., Swiss and Hawkins Sts., $1,000,000. Noted May 17.

Tex., Dallas—Higginbotham Bailey Logan Co., Jackson St., general contract 7 story, 75 x 200 ft., loft and warehouse addition, Jackson and Poydres Sts., to Hickey & Montgomery, Scollard Bldg., $400,000. Noted Jan. 4.

Tex., Dallas—V. N. Brannon, 4310 Elm St., 3 story, 74 x 143 ft., warehouse and factory, brick and concrete, plain foundation, to Hughes-O'Rourke Constr. Co., 2408 Lamar St., $60,000. Noted May 24.

Tex., Dallas — Shook Rubber Co., 2111 Commerce St., 3 story, 60 x 75 ft., brick and concrete warehouse, plain foundation, to Christy Dolf Constr. Co., Central Bank Bldg., $40,000.

Calif., Long Beach — S Kenelly, 427 American Ave., 1 story and basement, auto service building, 6th St. and American Ave., to McGrew & Sons, 1345 West Ocean Ave., $60,000.

Calif., Los Angeles—May Corp., Grand Ave., general contract 4 story and basement, rein.-con. warehouse, Grand Ave. and 35th St., to G. L. Peck, H. W. Hellman Bldg., $200,000. Noted May 24.

Calif., Oakland — L. R. Lurie Co., 315 Montgomery St., San Francisco, 1 story, rein.-con. garage, 32nd and Adeline Sts., here, to A. H. Vogt, 185 Stevenson St., San Francisco, $42,000. Noted Apr. 26.

Calif., Sacramento—Lindley & Co., 220 K St., 1 story and basement, rein.-con. warehouse, 3rd and Q Sts., to Campbell Constr. Co., 601 Nicolaus Bldg., $79,864. Noted May 17.

Calif., San Francisco — Western Sugar Refinery, 2 Pine St., concrete work 1 story, concrete and steel warehouse, Delaware and 23rd Sts., to A. Arras, 185 Stevenson St. Total cost $245,000.

Ont., London—Reid Bros., 391 Clarence St., 1 story and basement, 125 x 150 ft. cement factory, Nightingale Ave., to Hayman & Sons, 432 Wellington Ave. Archts. est. $100,000.

Buildings

PROPOSED WORK

Mass., Boston — School — School House Dept., City Hall, having preliminary plans prepared by McLaughlin & Burr, 88 Tremont St., rein.-con. and brick, wood pile foundation, Sherwin Dist. $200,000.

Mass., Boston—Stores and Office—Huntington Co., c/o R. H. Doane, archt., 162 Newbury St., had plans prepared 2 story, 112 x 400 ft., concrete and steel, Huntington Ave. $300,000.

Mass., New Bedford—Theatre—S. Berserosky, 1502 Acushnet Ave., having preliminary plans prepared by Funk & Wilcov, 26 Pemberton Sq., Boston, rein.-con. and brick, plain foundation, $200,000.

Mass., Pittsfield — School — Miss Halls School, Curtis Inn, Lenox, having plans prepared by York & Sawyer, 50 East 41st St., New York City, 2 story, brick, Holmes Rd., here. $150,000.

Mass., Springfield—Parish House—First Congregational Church Parish Com., 50 Elm St., plans 2 story, 100 x 220 ft., brick, plain foundation, Elm St. $250,000-$300,000. Kirkham & Parlett, 25 Harrison Ave., archts.

Mass., Ware—High School—Town having plans prepared by J. D. Leland & Co., 41 Mt. Vernon St., Boston, 3 story, brick, plain foundation. $150,000.

R. I., Providence—Church—St. Adalberts Church rejected bids 140 x 160 ft., brick and terra cotta, plain foundation, Attwells Ave. $170,000. Will readvertise about September or October. H. Ludorf, Main St., New Britain, archt. Noted Apr. 19.

Connecticut — Infirmary — State Psychiatric Comn. plans infirmary. $200,000. A. W. Creedon, 50 State St., Hartford, member of comn. Engineer and architect not selected.

Conn., Ashford—Town Hall—C. C. Knowlton, Putnam, plans 2 story and basement, 50 x 90 ft., rein.-con. and brick, plain foundation, here. $160,000. Private plans.

Conn., Bristol—Business—J. P. O'Connell, 133 Main St., plans 3 story, brick and steel, plain foundation, Main St. $165,000. Engineer and architect not selected.

Conn., Hartford — Apartment, etc. — L. Aronson, Westland St., having revised plans prepared by Berenson & Moses, 30 Allyn St., 3 story, 40 x 95 ft., brick, plain foundation, Westland St. $150,000. Former bids rejected.

Conn., Hartford—Apartment—C. Camillieri, 181 Village St., having plans prepared by Dunkelberger & Gilman, 72[illegible] Main St., 3 story, 45 x 100 ft., brick, plain foundation, Vine St. $150,000.

Conn., Hartford—Business—A. A. Katz, 983 Main St., plans 4 or 6 story 100 x 110 ft., John St. $250,000. Engineer and architect not selected.

Conn., Hartford—Club House—Tumble Brook Country Club, 64 Highland St., had plans prepared by Smith & Brissette, 36 Pearl St., 3 story, 50 x 100 ft., stone and hollow tile, plain foundation. $160,000. G. S. Auerback, secy.

Conn., Manchester—Church—St. Marys Parish plans brick and stone, plain foundation. $150,000. J. S. Neill, 59 Park St., pastor. Engineer and architect not selected.

Conn., Meriden—Business—M. J. Dubin, 125 Oakland Terrace, Hartford, having plans prepared by H. H. Beckanstein, 1025 Main St., Hartford, 3 story, 80 x 100 ft., brick and steel, plain foundation, East Main St., here. $150,000. Noted May 3.

Conn., Meriden—Community—All Saints Episcopal Church, 201 West Main St., plans brick, plain foundation. $150,000. F. S. Lippitt, pastor. Engineer and architect not selected.

Conn., New Britain—City Hall, etc.—City plans 2 story, stone, plain foundation, East Main and Main Sts. $400,000. A. M. Paonessa, mayor. Engineer and architect not selected.

Conn., New Haven — Orphanage — New Haven Orphan Asylum, c/o Norton & Townsend, archts., 839 Chapel St., rejected bids several buildings, brick, steel and concrete, Whitney Ave. Will revise plans and readvertise. Noted Apr. 26.

Conn., New London—Business—C. H. Klinck Estate, 219 Bank St., having plans prepared by Bilderbeck & Langdon, Inc., Barrows Bldg., 3 story, 80 x 100 ft., brick and steel, plain foundation, Bank St. $175,000.

Conn., Plainville—High School—School Bd. plans 3 story, brick, plain foundation, Linden St. $300,000. L. S. Mills, 58 East Main St., secy. Engineer and architect not selected.

Conn., Putnam—Business—J. E. and E. Stoumbelis, having plans prepared by L. E. Conway, Goldsmith Blk., New London, 3 story, 70 x 100 ft., brick, plain foundation, Main St. $150,000. Noted May 3.

Conn., Putnam—Business—L. Wolfe, 30 Pleasant St., having plans prepared by L. E. Conway, Goldsmith Blk., New London, 3 story, 60 x 100 ft., brick and steel, plain foundation, Main St. $150,000.

Conn., Stamford—Apartment—H. J. and S. Weissman, Speike Bldg., plans two 3 story, 30 x 50 ft. and 33 x 90 ft., brick, plain foundations, Myrtle Ave. $160,000. Private plans.

Conn., Stamford — Temple — Masonic Builders Assn., 125 Atlantic St., had plans prepared by Emmons & Abbott, Washington Bldg., 3 story, 62 x 140 ft., granite and steel, plain foundation, Bedford St. $200,000.

Conn., Vernon—High School—Town soon receives bids 3 story, brick, plain foundation, in Rockville. $300,000. W. B. Chambers, 111 East 40th St., New York City, archt.

Conn., Wallingford—Town Hall—City plans 3 story, probably brick, plain foundation. $150,000. J. A. Martin, 401 Center St., clk. and chn. of com. Engineer and architect not selected.

Conn., Waterbury—Church—Italian Mission of First Baptist Church, plans stone, plain foundation, Grove and Center Sts. $160,000. A. Ventura, 21 Harker Ave., pastor. Engineer and architect not selected.

Conn., Waterbury—Home, etc.—Amer. Legion, Posts 37 and 1, plan 3 story, brick and stone, plain foundation, Central Ave. $150,000. Address E. P. Armstrong, commander, Corp. Coyle Post, Amer. Legion, 551 Walcott Rd. Engineer and architect not selected.

Conn., Westport—Bank—Westport Bank & Trust Co. having plans prepared by C. E. Cutler, Myrtle Ave., 2 story, 100 x 110 ft., brick and marble, plain foundation, Post Rd. $155,000. C. Harris, Lincoln Ave., secy. and treas.

N. Y., Binghamton—Business—H. Goldsmith, O'Neil Bldg., plans business block. $250,000.

N. Y., Brooklyn—Hospital—Trinity Hospital, Fulton St. and East New York Ave., plans 5 story, brick, steel and stone addition, plain foundation. Private plans.

N. Y., New York—Loft—J. Goldberg, c/o G. and E. Blum, archt. and engr., 505 5th Ave., soon takes bids brick, steel and stone, plain foundation, West 38th St. $200,000.

N. Y., Ripley—School—Plans election to vote on $150,000 bonds for brick school.

Buildings (Continued)

N. Y., Saranac Lake—School—Bd. Educ., brick, stone, steel and concrete, from Shane Constr. Co., Herald Bldg., Syracuse, $624,808. Bids rejected. Will advertise.

N. Y., Troy—High School—Albany Catholic Diocese having plans prepared by F. Morgan, Savings & Loan Bldg., converting 5 story, 60 x 100 ft., brick hospital into high school, also constructing wing, 8th St., here. $200,000.

N. J., Hopewell—Schools—Hopewell Twp. School Bd. plans school here, 1 at Pennington and one on Pennington-Trenton Rd. $250,000. J. H. Hankinson, chn. Engineer and architect not selected.

N. J., Newark—Apartment—Schanerman & Kaplowit, c/o N. Siegler, archt. and engr., 164 Market St., having plans prepared brick, steel and stone, plain foundation, Milford and Clinton Aves. $310,000.

Pa., New Castle—Temple—Scottish Rite Bodies F. & A. M., having plans prepared by R. G. Schmid, 152 West Randolph St., Chicago, and takes bids about June 11, temple on Heland and Lincoln Aves. $1,000,000.

Pa., Pittston—Hotel—Chamber of Commerce plans modern fireproof hotel. $200,000. Engineer and architect not announced.

Md., Baltimore—Store and Office—Methodist Church, 325 North Howard St., having plans prepared by J. R. Forsythe, 16 East Lexington St., 5 story, brick, plain foundation, Charles St. near Franklin St. $160,000.

W. Va., Huntington—Lodge—Feramorz Grotto, F. & A. M., 545 6th Ave., having plans prepared by R. M. Bates, Jr., Watts Bldg., 3 story and basement, 100 x 250 ft., 8th St. $200,000.

W. Va., Huntington—School—Bd. Educ. having plans prepared by R. M. Bates, Jr., Watts Bldg., 2 story and basement, 100 x 130 ft., brick, tile and stone, 10th Ave. $150,000.

N. C., Morganton — Dormitories — State having plans prepared by C. C. Hook, Trust Bldg., Charlotte, three 2 story dormitories at State Hospital for Insane, here. $250,000.

Ga., Alto—Sanatorium—State Bd. Health, State Capitol, Atlanta, having plans prepared by Daniell & Bentell, Healy Bldg., Atlanta, sanatorium near here. $500,000.

Ga., Atlanta—High School—Had plans prepared 3 story, 70 x 469 ft. rein.-con. and brick, plain foundation. $450,000. To be let about July 1. Lockwood Green & Co., Forsyth Bldg., engrs. Edwards & Sayward, Chamber Commerce Bldg., archts.

Fla., St. Petersburg — Hotel — G. L. Preacher & Co., archts., Healy Bldg., Atlanta, Ga., preparing plans for Hotel Vannoy, here. $4,000,000. Owner's name withheld.

Tenn., Memphis—Club—Elks Club, Jefferson St., having plans prepared by Mahan & Broadwell, Amer. Bank Bldg., 12 story, 75 x 148 ft., Front and Jefferson Sts. $750,000.

Tenn., Memphis—Schools, etc.—Voted $1,250,000 bonds for schools and sites; $150,000 additions and improvements to General Hospital and nurses home; $150,000 improving, enlarging and equipping Cossitt Library and operating public library, art gallery, etc.; $100,000 to purchase land and erect buildings for Fire Dept.; $100,000 (city's share) constructing new buildings and additions to Tuberculosis Hospital, Shelby Co. voted $100,000, (its share) toward foregoing project.

Tenn., Memphis — Schools, etc. — Shelby Co. voted $600,000 bonds for schools and $300,000 for jail.

Tenn., Morristown—School—City plans to vote on $200,000 bond issue for schools. Engineer and architect not announced.

Ky., Ashland—Apartment—J. C. Miller of Amer. Rolling Mills Co. having plans prepared by J. Steinkampf & Bros., 1212 Mercantile Library Bldg., Cincinnati, O., 4 story and basement, brick, 23rd St. and Lexington Ave. $150,000.

Ky., Harlan—Apartment—E. M. Howard having plans prepared by R. F. Graf & Son, Arnstein Bldg., Knoxville, Tenn., 3 story and basement, 100 x 120 ft., brick. $150,000.

Ky., Lexington—Auditorium—State University of Kentucky plans auditorium, brick, Stell Field Campus. $200,000. A. O. Shippke, Supt. building and grounds.

Ky., Louisville—Apartment—T. Bohannan (agent for owner), Realty Bldg., plans 4 story, 66 x 126 ft., 3rd and Oak Sts. $150,000-$200,000. Engineer and architect not selected.

Ky., Louisville — Apartment — F. E. Reeser, 1122 Rowan St., plans 3 story, 100 x 200 ft., 3rd St. and Park Ave. $150,000. Engineer and architect not selected.

Ky., Louisville—Infirmary—St. Joseph Infirmary, 4th St., having plans prepared by D. X. Murphy & Bro., 714 Louisville Trust Bldg., 6 story, Eastern Parkway between Preston and Floyd Sts. $1,500,000.

Ky., Winchester—Dormitory and Gymnasium—Kentucky Wesleyan College plans dormitory and gymnasium. $150,000. Engineer and architect not selected.

O., Alliance—Theatre and Office—Koch Bros., having plans prepared by Albrecht, Wilhelm & Kelly, Union Bldg., Cleveland, 2 story, 110 x 156 ft., brick, steel and concrete. $150,000.

O., Cincinnati—School—Bd. Educ. plans school, Harrison Ave. To exceed $150,000. S. Hannaford & Sons, 1024 Dixie Terminal Bldg., archts.

O., Cleveland—Apartment—B. Benjamin, 9917 Parkgate Ave., having plans prepared by M. Weis, 617 Union Bldg., 4 story and basement, brick, plain foundation, 2036 East 100th St. $325,000. Noted Apr. 26.

O., Cleveland—Apartment—M. F. Narosny, 2435 Overlook Rd., had plans prepared by M. Weis, 617 Union Bldg., 3 story and basement, 37 x 124 ft., brick and timber, Cedar Rd. opposite Fairmount Blvd. $150,000.

O., Cleveland—Apartment—M. Rosen, 201 Ulmer Bldg., having plans prepared by Braverman & Havermaet, Ulmer Bldg., 4 story, brick and timber, plain foundation, Superior Rd. near Eddington Ave. $150,000.

O., Cleveland—Apartment—Rosen Bros., 608 St. Clair Ave. N. W., had plans prepared by M. Weis, 617 Union Bldg., 3 story and basement, 37 x 124 ft., brick, plain foundation, 1822 East 82nd St. $150,000.

O., Cleveland—Commercial and Apartment—Stotter-Haber Co., c/o R. H. Stotter, Leader-News Bldg., having preliminary plans prepared by Morris & Weinberg, 3226 Euclid Ave., 10 story, 80 x 110 ft., brick, steel and concrete, 8501 Euclid Ave. $400,000.

O., Cleveland Heights (Warrensville P. O.)—Commercial and Apartments—Greenwald, Stecher & Wallach, Society for Savings Bldg., Cleveland, having plans prepared by N. Petti, Williamson Bldg., Cleveland, 2 story, 135 x 185 ft., brick and timber, plain foundation, Mayfield and Coventry Rds., here. $200,000.

O., Dover—Theatre, Commercial and Lodge—G. A. Ebeling, archt., Newman-Stern Bldg., Cleveland, soon lets contract 4 story and basement, 50 x 150 ft., brick, steel and concrete, here, for Dover Pythian Castle Co. $150,000. Noted Aug. 31.

Mich., Detroit—Schools—Bd. Educ., 1354 Bway. Ave., having plans prepared by Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., addition to Morley School $260,000, McMillan School $185,000, and Western High School $275,000, all 2 story and basement, rein.-con., brick and steel, plain foundations.

Mich., Grand Rapids—Clinic—Physicians Assn., F. N. Smith, secy., Metz Bldg., takes bids about July 1, 4 story and basement, 65 x 100 ft. rein.-con. $300,000. Ellerbee Co., 692 Endicott Bldg., St. Paul, Minn., archts.

Mich., Niles — Hotel — Nicol, Scholer & Hoffman, archts., Lafayette, Ind., take bids June 15, 5 story and basement, rein.-con. and brick, on 132 x 191 ft. site, Main St., here, for T. W. Ready, c/o Ready Capsule Co., Niles. $250,000.

Ill., Alton—High School—Bd. Educ. plans 2 story and basement, rein.-con. and brick, $250,000 bonds voted. Engineer and architect not selected.

Ill., Chicago—Apartment—A. Proskauer, archt., 127 North Dearborn St., preparing plans 3 story, 100 x 261 ft., fireproof construction, 4727 Ellis Ave. $250,000. Owner's name withheld.

Ill., Chicago—Hall and Store—Independent Order Odd Fellows, c/o Rawson & Eisenburg, archts., 5 North La Salle St., plans 3 story, fireproof construction, Ogden Ave. $150,000.

Ill., Chicago — Store—General Furniture Co., 3039 East 92nd St., plans 3 story, 72 x 123 ft., fireproof, 2608-12 West North Ave. $225,000. I. S. Stern, 35 South Dearborn St., archt.

Wis., Antigo — High School — Bd. Educ. having plans prepared by Claude & Starck, Badger Annex, Madison, 2 story and basement, 68 x 110 ft., brick, rein.-con. and steel, plain foundation. $150,000.

Wis., De Pere—School—Bd. Educ. plans brick, rein.-con. and steel, plain foundation. $150,000. Engineer and architect not selected.

Wis., Janesville—Theatre—H. F. Jones, 107 North Franklin St., having plans prepared by Balch & Lippert, Gay Bldg., Madison, 2 story, 80 x 150 ft., brick, rein.-con. and steel, plain foundation, North Franklin St. $150,000. Noted Mar. 29.

Wis., Kenosha—Temple—Masonic Temple Bldg. Assn., c/o J. I. Chester, pres., 178 Park Row, soon takes bids 2 story and basement, 82 x 120 ft., brick, concrete and stone, plain foundation. $150,000. R. G. Schmidt & Co., 77 West Washington Ave., Chicago, archts.

Wis., Milwaukee — Business — Statzer Granite Co., 723 Grand Ave., having preliminary plans prepared by M. Tullgren & Sons Co., 425 East Water St., 3 story and basement, 60 x 150 ft., brick and concrete, plain foundation, Wells St. $155,000.

Wis., Milwaukee—Club House—Frei Gemeinde Society, 262 4th St., having preliminary plans prepared by C. F. Ringer & Son, 432 Bway., 3 story, 90 x 150 ft., brick and concrete, plain foundation, 27th St. $150,000.

Wis., Milwaukee—School and Chapel—Capuchin Fathers, 2nd and Burliegh Sts., had plans prepared 4 story and basement, 54 x 130 ft., and 50 x 114 ft., brick and concrete, plain foundation, 10th and State Sts. $200,000. Taking bids on excavation. E. Brielmaier & Sons Co., 432 Bway., archts.

Wis., Milwaukee — Temple — Wisconsin Consistory, Van Buren and Oneida Sts., plans temple. $2,000,000. W. Perry, secy. Engineer and architect not selected.

Wis., Wausau—Hotel—Bellis Steel Co., 3rd and Scott Sts., having plans prepared by Oppenhamer & Obel, archts., Wausau. 3 story and basement, 50 x 120 ft., brick, rein.-con. and steel addition, plain foundation, 2nd St. $150,000.

Ia., Conrad—School—Bd. Educ. having plans prepared by E. F. Gier, Conrad, 3 story and basement, rein.-con., brick, tile and stone. $150,000. Noted May 18.

Ia., Des Moines—Schools—Bd. Educ. having plans prepared rein.-con., brick and steel junior high school, 14th and University Sts., $500,000, Proudfoot, Bird & Rawson, 810 Hubbell Bldg., archts.; school at Ovid and Cornell Sts., $200,000, Boyd & Moore, 1022 Grand Ave., archts. Noted Apr. 5.

Ia., Mt. Ayr—Court House—Ringgold Co. election June 4 to vote on $160,000 bonds for court house. Noted Nov. 16.

Minn., Minnetonka Beach—Club House—Lafayette Club, c/o C. M. Harrington, pres. 713 Chamber of Commerce, Minneapolis, having revised plans prepared by Hewitt & Brown, 1200 2nd Ave. S., Minneapolis, and soon takes bids 1, 2 and 3 story, brick, concrete and tile. $300,000. Former bids rejected. Noted Mar. 1.

Minn., Wauseka — High School—School Bd. having plans prepared by W. B. Ittner, 911 Locust St., St. Louis, 2 story and basement, rein.-con. and brick, plain foundation. $500,000.

Mo., St. Louis—Monkey House—Zoological Bd. Control, Forest Park, had plans prepared 1 and 2 story, 110 x 129 ft., brick, concrete and steel, plain foundation, Forest Park. $150,000. Private plans.

Ark., Hot Springs — Hotel — Arlington Hotel Co., Central Ave., soon takes bids 6 and 10 story, 200 x 200 ft. brick, concrete and steel, concrete pile foundation. $2,500,000. Mann & Stern, A. O. U. W. Bldg., Little Rock, archts.

Tex., Houston—Municipal, etc.—June 9, to vote on $1,750,000 bond issue for 19 story and basement, 170 x 237 ft., city hall, market and office building, brick, stone, terra cotta, rein.-con., granite and steel, Travis St. R. J. Cummins, 214 Gulf Bldg., engr. C. D. Hill & Co. and J. W. Dehmert, 501 Kress Bldg., archts.

Okla., Muskogee—Court House and Jail—Muskogee Co. defeated $350,000 bonds for court house and jail. Noted May 3.

Okla., Oklahoma City—Hotel—W. B. Skirwin, 1st St. and Bway., having plans prepared by Layton, Smith & Forsyth, S. W. Natl. Bldg., 13 story, 100 x 140 ft., brick. $1,000,000.

Wash., Seattle — Bible Institute — First Presbyterian Church, 7th and Spring Sts., plans 9 story, 110 x 130 ft., steel, concrete and terra cotta. $1,000,000. M. A. Matthews, pastor.

Wash., Tacoma—Schools—Voted $2,400,000 bonds for new schools, incl. 6 intermediate, 1 large grade school, and additions to 7 grade schools. Noted Apr. 12.

Calif., Alameda—High School—Alameda High School Dist. voted $750,000 bonds for high school. Noted Apr. 12.

Calif., Los Angeles — Apartment — A. C. Blumenthal, et al., Loew State Bldg., plans apartment, brick, on 150 x 300 ft. site, Wilshire Blvd. near Bronson Ave. To exceed $250,000. Engineer and architect not selected.

Calif., Los Angeles—Club—Los Angeles Nurses' Club, 1103 West 8th St., having plans prepared by J. J. Frauenfelder, Story Bldg., 5 story, 3rd and Lucas Sts. To exceed $150,000.

Buildings (Continued)

Calif., Los Angeles—Hotel—J. B. Lankershim, Lankershim Bldg., having plans prepared by A. C. Martin, Higgins Bldg., 7 story annex, rein.-con., Flower and 6th Sts. To exceed $200,000.

Calif., Los Angeles—Loft—C. E. Page, Jewelers Exch. Bldg., having plans prepared by Milwauke Building Co., Wright & Callendar Bldg., 12 story and basement, rein.-con., 6th St. and Grand Ave. To exceed $500,000.

Calif., Los Angeles—Loft—Stewart-Dawes Shoe Co., c/o J. M. Cooper, Marsh-Strong Bldg., having plans prepared 5 story and basement, 90 x 100 ft., rein.-con., Santee and 8th Sts. $150,000.

Calif., Los Angeles—Lodge, etc.—Independent Order of B'nai B'rith, 519 West 9th St., had plans prepared by Norton & Wallis, Pacific Finance Bldg., 3 story and basement, lodge, club, store and gymnasium, brick, 9th St. and Union Ave. $150,000.

Calif., Los Angeles—School—Cumnock School of Expression, 200 South Vermont Ave., having plans prepared by A. S. Heineman, San Fernando Bldg., 2 story, brick and concrete, Las Palmas Ave. To exceed $150,000.

Calif., Los Angeles—Store—Citrin Cloak & Suit Co., 516 West 7th St., plans 5 story, 65 x 172 ft., fireproof, Hollywood Blvd. To exceed $250,000.

Calif., Marysville—Club—L. L. Freeman, pres. Marysville Art Club, is head of Building Assn., which plans club, fireproof, 11th and E Sts. $150,000. Engineer and architect not selected.

Calif., Marysville—Lodge, Store and Office—Masonic Lodges of Marysville plan lodge, 6 or more stories. To exceed $150,000. Engineer and architect not selected.

Calif., Monrovia—High School—Monrovia High School Dist. defeated $489,000 bonds for high school. Noted May 3.

Calif., Oakland—Store and Loft—A. F. Edwards, c/o Reed & Corlett, archts., Bank of Savings Bldg., having plans prepared 4 story, rein.-con., Telegraph Ave. and 17th St. $150,000. Healds Business College, 528 16th St., lessee.

Calif., Palo Alto—High School—Palo Alto Union High School Dist. to vote on $150,000 bonds for high school addition.

Calif., Riverside — High School — Riverside High School Dist. having plans prepared by G. S. Wilson, 646 West 9th St., economics building, brick and concrete. To exceed $150,000.

Calif., Sacramento—Theatre—Paramount Corp., c/o L. F. Starks, archt., Ochsner Bldg. having revised plans prepared theatre, fireproof, K and 9th Sts. $350,000.

Calif., San Francisco—Apartment—M. Marcussen, Amer. Natl. Bank Bldg., having plans prepared by H. P. Merritt, 57 Post St., 6 story and basement, rein.-con., California St. near Jones St. $150,000.

Calif., San Francisco — Hospital — St. Francis Hospital, Bush and Hyde Sts., having sketches made by A. I. Coffey, Humboldt Bank Bldg., 4 story and basement annex, brick. To exceed $150,000.

Calif., San Francisco — Lodge — B'nai B'rith, 49 Eddy St., had sketches made by S. Heiman, 57 Post St., 2 story, fireproof. $250,000.

Calif., San Francisco—Loft—Commercial Art Co., 53 3rd St., having plans prepared by Merritt & Gunnison, 57 Post St., 6 or 7 story addition, brick or concrete, 2nd St. near Mission St. To exceed $150,000.

Calif., San Francisco—Temple—Scottish Rite of San Francisco, Sutter St. and Van Ness Ave., having plans prepared by C. Werner, Santa Fe Bldg., 6 story addition, probably rein.-con. $1,000,000.

Calif., San Jose—Office—Binder & Curtis, archts., 255½ South 1st St., take bids about June 17, 10 story, brick and terra cotta, North 1st St., for Commercial Building, Inc., c/o architects. To exceed $300,000. Noted Jan. 18.

Calif., Santa Ana—Hospital—Santa Ana Valley Hospital Assn., Spurgeon Bldg., having plans prepared by H. N. Thornton, Hill Bldg., 4 story, fireproof, Grand Ave. $250,000.

Calif., Stockton — Exhibit — San Joaquin Co. having plans prepared by Wright & Satterlee, Bank of Italy Bldg., 1 story, concrete and steel, county fair grounds. $150,000.

Calif., Wilmington—Hotel and Store—Harbor City Housing Corp., c/o A. G. Bailey, archt., 410 Jr. Orpheum Bldg., Los Angeles, having plans prepared 4 story, brick. $150,000.

Ont., Hamilton—College—Provincial Government Bd. Educ., Parliament Bldgs., Toronto, having plans prepared by F. R. Heakes, Parliament Bldgs., Toronto, 20 room, probably 3 story and basement, rein.-con., brick and steel, plain foundation, Huron St., here. $450,000.

Que., Montreal — School — Notre Dame Congregation, Sherbrooke St., plan 6 story, granite, brick and steel, Sherbrooke St. $800,000.

Ont., Toronto—Business—Dominion Realty Co., Bank of Commerce Bldg., plans 3 story and basement, 88 x 100 ft. concrete and steel, plain foundation, Yonge and St. Clair Sts. $200,000. Engineer and architect not selected.

Ont., Toronto—Church—Ossington Ave. Baptist Church, Ossington Ave. and Bloor St., plans 1 story and basement, brick and steel, plain foundation, Concord Ave. $150,000. Engineer and architect not selected.

Ont., Toronto—Office—Provincial Government, Parliament Bldgs., having plans prepared by F. R. Heakes, provincial archt., Parliament Bldg., 250 x 250 ft., probably 5 story and basement, rein.-con., brick, steel and stone, plain foundation, Queens Park. $1,250,000.

Ont., Toronto—School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 2 story and basement, 6 or 8 room, addition to Ogden St. School, brick and timber, plain foundation. $150,000.

B. C., Vancouver—Hospital—Vancouver General Hospital, Heather St. and 12th Ave., plans rein.-con. brick and tile. $150,000 to $175,000. Engineer and architect not selected.

B. C., Vancouver—High School—Bd. School Trustees, Hamilton St., plans 3 story, 30 room, rein.-con. and brick, in West End. $275,000. A. A. Barrs, c/o owner, archt.

BIDS DESIRED

N. Y., Batavia—Theater—Batavia Community Theaters Building Com. taking bids birck, stone, concrete and steel, East Main St. $350,000. Address H. D. Crosby, Batavia.

N. Y., Phelps—School—June 12, by J. F. Helmer, clk. Bd. Educ., new school in Dist. 8. $175,000. Foote & Carpenter, 302 Carter Bldg., Rochester, archts. Noted Nov. 2.

N. Y., Syracuse—High School—June 4, by Bd. Contr. & Supply, 17th Ward Junior High School, 2 story and basement, 200 x 300 ft., brick, steel and stone. $450,000. A. L. Brockway, Syracuse Savings Bank Bldg., archt. Noted Feb. 1.

N. Y., White Plains—School—Bd. Educ. taking bids and opens same in about 2 weeks, 3 story and basement, 45 x 139 ft., rein.-con. and brick, plain foundation. $200,000. G. Allen, 24 Mt. Vernon St., Boston, archt.

N. J., Collingswood—Exchange—J. T. Windrim, archt., Commonwealth Bldg., Phila., taking bids 3 story and basement, 75 x 150 ft., rein.-con., brick and steel, plain foundation, here, for Bell Telephone Co., 19th and Arch Sts., Phila. $360,000.

N. J., Princeton — Infirmary — Day & Klauder, archts., Franklin Bank Bldg., Phila., taking bids 3 story, 100 x 150 ft., rein.-con., brick and steel, plain foundation, here, for Princeton University. $500,000.

Pa., Phila.—School—P. F. Gertz, archt., 1634 North 6th St., taking bids 2 story and basement, 160 x 180 ft., rein.-con., brick and steel, plain foundation, Berks and Blair Sts., for St. Hugh Roman Catholic Church, 144 East Allegheny Ave. $300,000.

Pa., Phillipsburgh—Temple—G. S. Idell, archt., 1705 Chestnut St., Phila., taking bids 3 story and basement, 60 x 88 ft., brick, plain foundation, for Masonic Assn. $250,000.

Pa., Southmont—School—June 11, by E. A. Hower, secy. Southmont Boro. School Bd., Otto Bldg., Johnstown, 2 story and basement, 110 x 130 ft. brick and tile, Main St. $150,000.

D. C., Wash.—Apartment—L. G. White, Continental Trust Bldg., receiving bids apartment building Connecticut Ave. and Garfield St. $600,000. Stern & Tomlinson, Continental Trust Bldg., archts.

N. C., Kinston—Hospital, etc.—June 5, by C. B. McNairy, supt. Caswell Training School, erection of hospital, boys' industrial building, girls' industrial building, laundry, cold storage building, mule barn and implement shed. H. A. Underwood, 916 Commercial Bank Bldg., Raleigh, engr.

N. C., Murphy—High School—June 6, by Cherokee Co. Bd. Educ., constructing high school. $150,000. F. P. Simpson, Raleigh, archt.

N. C., Raleigh—Office—June 12, by Raleigh Building & Loan Assn., 107 Fayetteville St., 11 story, steel. H. P. S. Keller, 129 Hillcrest St., archt.

N. C., Smithfield—Schools—J[illegible] 5, by Johnson Co. Bd. Educ. (Sm[illegible]eid), 2 brick schools, one at Wilson Mi[illegible] and one at Micro. $200,000. H. B. Mo[illegible] supt. C. H. Cook, Charlotte, archt.

Ga., Atlanta—Market—City [illegible]g bids 1 story, 200 x 269 x 300 ft., rei[illegible]n., and brick, plain foundation. $150,000 S. Lose. Forsyth Bldg., engr. A. T. Brow[illegible]orsyth Bldg., archt.

Tenn., Nashville—Temple—Ju[illegible] 14, by Masonic Lodge, brick, concrete [illegible] stone, 7th and Broad Sts. $500,000. [illegible]smus & Clark, Stahlman Bldg., archts.

Ky., Bowling Green—Station—[illegible]ouisville & Nashville Ry., 10th St. and Bw[illegible] Louisville, receiving bids station, here. $360,000. G. R. Smiley, ch. engr. of co[illegible]nstruction. Noted Apr. 26.

O., Cleveland—School, etc.—Ju[illegible] 18, by Bd. Educ., East 6th St. and Rockwell Ave., 2 story and basement, 30 x 172 ft. and 33 x 78 ft., school and boiler house, brick, steel and concrete, East 146th St. and Harvard Ave. $750,000. W. R. McCormack, East 6th St. and Rockwell Ave., archt. Noted Oct. 26.

O., Cleveland—School—June 18, by Bd. Educ., East 6th St. and Rockwell Ave., 2 story and basement, 172 x 306 ft. and 33 x 78 ft., brick, steel and concrete school and boiler house, East 106th St. and Sandusky Ave. $750,000. W. R. McCornack, East 6th St. and Rockwell Ave., archt. Noted

Mich., Albion—College—June 5, by Albion College, 2 story and basement, 45 x 165 ft. with 47 x 60 ft. wing, rein.-con. and brick, called Robinson Hall. $200,000. J. D. Chubb, 109 North Dearborn St., Chicago, archt.

Mich., Lansing—Temple—June 12, by E. A. Bowd, archt., 127 West Allegan St., 7 story, 100 x 165 ft., South Capitol St., for Masonic Temple Assn., Amer. State Savings Bank Bldg. $750,000.

Wis., Madison—Hotel—June 10, by M. Tullgren & Sons Co., archts., 425 East Water St., Milwaukee, 9 story and basement, 132 x 144 ft., brick, terra cotta and concrete, plain foundation, here, for Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee. $1,000,000. Noted May 17.

Kan., Emporia—Bank and Office—June 11, by Citizens Natl. Bank, 5 story and basement, 43 x 130 ft., brick, stone and concrete, Main St. $300,000. Richards, McCarty & Bulford, 584 East Broad St., Columbus, O., archts. Noted May 24.

Calif., San Francisco—School—June 6, by Bd. Pub. Wks., rein.-con. school, Powell St., for city and San Francisco Co. $250,000. J. Reid, Jr., 1st Natl. Bank Bldg., archt.

Ont., Toronto—School—June 4, by Separate School Bd., 477 Jarvis St., 2 story and basement, 8 room, brick and steel, plain foundation, Shaw St., $150,000. J. P. Hynes, 73 King St. W., archt.

BIDS RECEIVED

N. Y., New York—School—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, May 23, annex to P. S. 72, East 104th and East 105th Sts. here, from M. F. Kelley Co., 51 East 42nd St., $668,945. Noted May 17.

Pa. Pittsburgh—School—Bd. Educ., Fulton Bldg., May 17, constructing David B. Oliver School, 2 story and basement, 63 x 231 ft. with 3 wings, 72 x 82 ft., 77 x 82 ft. and 63 x 156 ft. Brighton Rd., from P. H. Kelly Constr. Co., 1713 Sansom St., Phila., $677,500. Noted May 10.

Calif., Taft—High School—Taft Union High School Dist., group of buildings, incl. auditorium, gymnasium, science, shop, etc., general contract from Olchester, Potter and Kerr., Selma, $169,300. Noted Apr. 26.

CONTRACTS AWARDED

Mass., Quincy — Armory — Pub. Wks. Dept., State House, Boston, 2 story, 95 x 150 ft., rein.-con., steel and brick, wood pile foundation, here, to J. Bowen Co., 184 Dudley St., Roxbury (Boston P. O.), $200,000.

Conn., Bridgeport—Business—J. Johnson & Sons, 85-89 Church St., New Haven, 4 story, 65 x 85 ft., brick and steel, plain or concrete pile foundation, Main, Wall and Middle Sts., here, to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport, Archts. est. $150,000.

Conn., Bridgeport—Church—J. A. Jackson, archt., 185 Church St., New Haven, 1 story, 78 x 176 ft., brick, stone and steel superstructure, East Main and Ogden Sts. to Casey & Hurley, 120 Pequonnock St., for St. Charles Roman Catholic Church, 399 Ogden St. Noted Apr. 26.

Conn., Bridgeport—High School—Bd. Educ., 3 story, 16 room, brick and steel, plain foundation, South Ave. and Warren

Buildings (Continued)

St., to W. G. Muirhead, 1024 Main St., $194,249. Archts. est. $237,955. Noted Dec. 14.

Conn., Bridgeport—Professional and Business—F. N. Benham, c/o 1st Natl. Bank of Bridgeport, 6 story, 40 x 100 ft. professional building on Broad and Gilbert Sts., and 4 story, business building on Broad and State Sts., brick and steel, to T. J. Pardy Constr. Co., 1481 Seaview Ave. Archts. est. $300,000. Noted Mar. 15.

Conn., Hartford—Apartment—A. Parskey, 22 Barker St., had plans prepared by H. H. Beckenstein, 1029 Main St., 3 story, 40 x 90 ft., brick, plain foundation, Vine St. $150,000.

Conn., Hartford—Church—Society of Our Lady of Salette, Park Ave., 80 x 170 ft., granite, plain foundation, New Park Ave., to McIntyre & Ahearn, 1315 Asylum Ave. Archts. est. $250,000.

Conn., Hartford—Store and Apartment—F. A. Tomasino, 43 Belden St., 4 story, 45 x 90 ft., brick, plain foundation, Vine St., to J. A. Ferrante, 94 Adelaide St. Archts. est. $150,000.

Conn., New Haven—High School—Bd. Educ., 3 story, 200 x 200 ft., brick, steel and concrete, plain foundation, Edgewood Ave., Augusta Lewis Troup School, to Larkin-Carey Co., 166 Brewery St., $706,518. Archts. est. $750,000. Noted Mar. 29.

Conn., Norwalk—Business—J. Balazs, 2 Mulroy St., 3 story, 40 x 70 ft., brick, plain foundation, Ely Ave., to F. J. Hodges, 14 1st Ave., East Norwalk. Archts. est. $150,000.

Conn., South Manchester—Apartment—L. H. Geer, archt., 62 Prospect St., 3 story, brick, Chestnut St., to Manchester Constr. Co., 953 Main St. Archts. est. $150,000. Owner's name withheld.

Conn., Torrington—Store and Office—D. L. Talcott, 192 Prospect St., 3 story, 70 x 110 ft., brick and steel, plain foundation, Main St., to F. W. Fuller, 79 Main St. Archts. est. $155,000.

N. Y., Brooklyn—Apartment—A. S. G. Constr. Co., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., New York, will build 5 story, brick, steel and stone, plain foundation, 8504 4th Ave., here, by day labor. $150,000.

N. Y., Brooklyn—School—W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., addition to P. S. 99, East 9th St. between Aves. K and L, to C. Meads Co., 217 West 14th St., New York City, $291,100. Noted May 21.

N. J., Camden—Exchange—Bell Telephone Co., 19th and Arch Sts., Phila., 5 story and basement, 136 x 140 ft., brick, rein.-con. and steel, plain foundation, 7th and Federal Sts., here, to Irwin & Leighton, 126 North 12th St., Phila. Archts. est. $1,000,000.

N. J., Lakewood—School—Bd. Educ., P. S. 1, 2 story, 140 x 180 ft., Clifton Ave., to Gibbs-Mueller, 215 South Broad St., Phila. Noted Apr. 12.

Pa., Mt. Lebanon—Church—Mt. Lebanon Methodist Episcopal Congregation, 2 story and basement, 100 x 100 ft., West Liberty Ave., to H. Busse Co., Main and Wabash Aves., Pittsburgh. Archts. est. $150,000.

D. C., Wash.—Apartment—B. S. Simmons, archt., Dist. Natl. Bank, apartment building, to F. H. Gore, 1410 G St., N.W., $300,000. Owner's name withheld.

D. C., Wash.—Apartment—F. Lake, 1344 G St., N. W., first unit apartment building, to W. L. Turner, 41 Q St., N. W., $150,000. Noted May 24.

D. C., Wash.—Office—Washington Times-Herald, Munsey Bldg., 4 story, 100 x 100 ft., brick, steel and stone addition, to R. P. Whitty Co., 815 15th St., N. W. Archts. est. $200,000. Noted May 23.

N. C., Charlotte—Store—J. B. Ivey & Co., 13 North Tryon St., steel contract for 5 story and basement, 86 x 238 ft., brick, concrete and steel, to Southern Eng. Co., Realty Bldg., $70,000. Will probably ask for bids on general contract about June 10. Noted Feb. 22.

N. C., Raleigh—Office and Fraternal—Odd Fellows Lodge, Home Bldg., 10 story and basement, rein.-con., brick, stone and terra cotta, Hargett and Salisbury Sts., to J. E. Beaman, Commercial Bank Bldg., $336,400. Noted Mar. 1.

Ga., Augusta—Apartment—Walton Way Realty Co., 4 story, 32 apartments, Walton Way, to Gude & Co., Candler Bldg., Atlanta, $250,000.

Tenn., Memphis—Office—R. York of York Lumber and Mfg. Co., 823 South Bellevue St., 5 story, 98 x 140 ft., rein.-con., brick, terra cotta and stone, Madison and Manassas Sts., to Blair Constr. Co., Randolph Bldg. Archts. est. $500,000.

O., Akron—School—Bd. Educ., 2 story, 64 x 200 ft., brick, plain foundation, Crosby St., to Carmichael Constr. Co., 524 Hamilton Bldg., $225,000.

O., Mt. Vernon—Memorial—Mt. Vernon Memorial Building Comn., 2 story, 100 x 140 ft., brick, concrete and stone, to Willing Bros, Bellevue, $207,408. Noted May 17.

O., Newcomerstown — High School—Bd. Educ., 2 story and basement, 120 x 137 ft., rein.-con. and brick, to Taylor-Owen Co., Coshocton, $119,875. Noted May 3.

O., Rock Creek—School—Bd. Educ., 2 story, brick, steel and concrete, to Howell & Noble, Warren. Archts. est. $150,000. Noted May 17.

Mich., Lansing—School—Bd. Educ., City Hall, 3 story and basement, 60 x 200 ft. brick, West Kalamazoo St., to G. H. Christman Co., Porter Apartments, $143,000. Noted Mar. 22.

Wis., Milwaukee—Hotel—Hotel Medford, 3rd and Sycamore Sts., 4 story, 75 x 120 ft., brick and concrete addition, to B. Wilke, 1011 Island Ave. Archts. est. $400,000.

Wis., Milwaukee—Studio—T. Cusack Co., 332 4th St., 1 story and basement, 82 x 165 ft., brick and concrete, plain foundation, to H. Schmitt & Son, 430 Farwell Ave. Archts. est. $150,000.

Wis., Oconomowoc—School and Dormitory—Redemptorist Fathers, two 3 story and basement, 42 x 128 ft. wings, brick, tile and concrete, plain foundations, to Hutter Constr. Co., 128 Western Ave., Fond du Lac. Archts. est. $400,000.

Wis., Sheboygan—Ebenreiter Lumber Co., 1215 Erie Ave., 1 story, 58 x 98 ft., brick, rein.-con. and steel factory plain foundation, to H. Loesing, Jr., 1905 North 11th St. $40,000. Noted May 10.

Minn., Glen Lake (Hopkins P. O.)—Sanatorium Group — Hennepin Co. Sanatorium Comn., c/o E. S. Mariette, secy., general contract 6 story and basement infirmary building, to Pike & Cook, 416 South 5th St., Minneapolis, $221,792; men employes building, to Kitrud & Madsen, 754 Builders Exchange, Minneapolis, $104,000, both rein.-con. and brick. Noted May 17.

Minn., Minneapolis—School—Bd. Educ., 305 City Hall, 2 story and basement, 30 x 109 x 201 ft., rein.-con., brick, tile and stone, 4404 East 33rd St., general contract to Victorson Constr. Co., 126 South 9th St., $121,441. Total $179,800.

Mo., St. Louis—Apartment Hotel—F. L. Cornwell, Lasalle Bldg., having plans prepared by W. S. Frank, Century Bldg., 7 story, 44 x 125 ft., rein.-con. and brick, plain foundation, Whittier St. and Lindell Blvd. $300,000. Work will be done by day labor.

Tex., Dallas—Office—M. H. Thomas., Cotton Exch., 8 story and basement, 50 x 174 ft., stone, brick and steel, plain foundation, Wood and Akard Sts., to Henger & Chambers, Slaughter Bldg., $270,000. Archts. est. $300,000. Noted Mar. 15.

Tex., Galveston—Bank—Texas Bank & Trust Co., general contract 9 story and basement, brick, steel, stone and concrete, plain foundation, to West Lake Constr. Co., First Natl. Bank, Ft. Worth, $515,000.

Ore., Portland—Apartment—D. M. Pallay, 1087 East Glison St., 5 story, 100 x 140 ft., rein.-con. and brick, Flanders and 22nd Sts., to Zanello Bros., Worcester Bldg., $365,000.

Calif., Los Angeles—Apartment—Fashion Realty Co., Loew State Bldg., 5 story and basement, brick, 5th St., to Richardson Building & Eng. Co., 141 North Larchmont Ave., $300,000.

Calif., Los Angeles—Church—Highland Park Presbyterian Church, brick and rein.-con., Pasadena Ave., to J. B. Harris, 808 Westchester St., $200,000. Noted Jan. 18.

Calif., Los Angeles—Hotel and Store—H. Rivers, et al., 414 South Irving Blvd., 11 story and basement, rein.-con. and brick, Columbia and 6th Sts., to Arndorff-Klapper-Gow Co., 625 Bank of Italy Bldg., $400,000.

Calif., San Francisco—Apartment—T. McDougal, c/o J. Stewart, archt., Claus Spreckels Bldg., 6 story and basement, rein.-con., Turk St. near Taylor St., to Atlas Concrete Co., 180 Jessie St., $150,000. Noted Feb. 8.

Que., Montreal—Apartment—Drummond Apts. Ltd., 10 story, 117.6 ft. high, 214 x 852 ft. rein.-con., brick, steel and stone, Drummond St., to Anglin-Norcross Ltd., Victoria St., $5,000,000. Noted Mar. 22.

Que., Montreal — Exchange — Bell Telephone Co., Notre Dame St., 9 story, 70 x 145 ft. rein.-con., brick, steel and stone, to E. G. M. Cape & Co., Cathcart St. $550,000, structural steel to Dominion Bridge Co., Lachine.

Que., Montreal — Store — Dupuis Freres Ltd., St. Catherine St., 3 story 111 x 131 ft. rein.-con., brick and steel addition, Demontigny St., to Archambault & Leclaire Ltd., 71 St. James St., $398,500.

Ont., London—Exhibition—Watt & Blackwell, archts., Bank of Toronto Bldg., 2 story and basement, 185 x 305 ft., brick and steel, to R. G. Wilson & Son, 193 College Ave., for Western Fair Bd. Archts. est. $175,000. Noted May 10.

Federal Government Work

PROPOSED WORK

N. Y., Chelsea—Roads and Walk—Spec. 4850—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans roads and walks, here.

N. J., Cape May—Repairs—Spec. 4852—Bureau Yards & Docks, Navy Dept., Wash. D. C., plans repairs to building, here.

Pa., Phila.—Repairs—Spec. 4854—Bureau Yards & Docks, Navy Dept., Wash. D. C., plans repairs to Bldg. 133, at aircraft factory, here.

Tenn., Nashville—River Improvement—Secretary of War, Wash., D. C., approved $693,000 allotment for river improvement and construction for upper and lower Cumberland River, during fiscal year. Major Fiske, Custom House, Nashville, dist. engr.

Ky., Addison—Steel Piling—U. S. Engineer Office, P. O. Box 72, Louisville, plans to purchase 600 lin.ft. steel sheet piling 38 ft. lengths, about 900,000 lbs. or 450 tons, for Dam 45, Ohio River, here.

Ky., Louisville—Lumber—U. S. Engineer, P. O. Box 72, plans to purchase 22,000 ft. long leaf yellow pine, 27,000 ft. select dimension oak, mainly 3 x 8 in. x 36 ft., and 4 x 10 in. x 36 ft., 50 pieces 3 in. flitch 24 ft. long, f.o.b. Louisville.

Ill., Chicago — Sewer Extension — Spec. 4851—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans Great Lakes sewer outfall extension, here.

Washington—Road—C. H. Purcell, dist. engr., U. S. Bureau Pub. Rds., Post Office Bldg., Portland, Ore., rejected bids grading and surfacing 2.5 mi. Ranier National Forest Rd., 18 ft., Randle, Lewis Co. Noted May 10.

Calif., San Diego—Irrigation Facilities—Spec. 4853—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans irrigation facilities, here. Bids to be opened at local yard.

BIDS DESIRED

N. Y., Geneva—Remodeling—June 18, by Treas. Dept., Wash., D. C., remodeling and enlarging U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

N. Y., New York—Dredging, etc.—June 25, at office U. S. Engineer, 39 Whitehall St., dredging and rock removal in East River; adv. this issue.

Md., Perryville — Piping — June 15 by Treas. Dept., Wash., D. C., installing underground steam piping, etc., at U. S. Veterans' Hospital, here. J. A. Wetmore, acting superv., archt.

La., Monroe—Mailing Shed—June 21, by Treas. Dept., Wash., D. C., mailing shed at U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Mich., Detroit—Dredging—June 25, at office U. S. Engineer, Detroit, dredging in Livingstone Channel, mouth of Detroit River; adv. this issue.

Mich., Marquette—Breakwater—June 11, at office U. S. Engineer, Custom House, Duluth, Minn., repairs to breakwater, here.

Minn., St. Cloud—Hospital—Spec. 4828—June 13 by Bureau Yards & Docks, Navy Dept., Wash., D. C., hospital group, for U. S. Veterans' Hospital, here. Noted Sept. 21.

Minn., St. Cloud—Roads and Walks—Spec. 4831—June 13, by Bureau Yards & Docks, Navy Dept., Wash., D. C., roads and walks at U. S. Veterans' Hospital, here.

Kan., Pratt—Post Office—June 20, by Treas. Dept., Wash., D. C., for U. S. Post Office, here.

Calif., San Diego—Service Extensions—Spec. 4764—June 13, by Bureau Yards & Docks, Navy Dept., Wash., D. C., service extensions to Marine barracks, Navy Yard, here. Noted Dec. 7.

H. T., Pearl Harbor—Fire Protection System—Spec. 4827—July 18, by Bureau Yards & Docks, Navy Dept., Wash., D. C., fire protection system at Naval Ammunition Depot, here. Noted May 3.

H. T., Pearl Harbor—Refrigerating Machinery—Spec. 4767—June 25 (change of date) by Bureau Yards & Docks, Navy Dept., Wash., D. C., for refrigerating equipment at Naval Station, here. Noted Apr. 26.

BIDS RECEIVED

N. H., Portsmouth — Remodeling — Spec. 4795—Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling marine barracks,

Federal Government Work (Continued)

Navy Yard, here, (1) work complete, from W. F. Martins, 112 Cutler Bldg., Rochester, N. Y., (1) $62,822 (240 days) (2) rock $10, earth $3 (3a) $20 (3b) $35 (4) $6,375; A. Pope, 4727 15th St., Wash., D. C., (1) $78,000 (2) $2 (3a) $10 (3b) $15 (4) $5,900; Newport News Contg. Co., Law Bldg., Newport, Va., (1) $87,907 (240 days) (2) add $6 deduct $3 (3a) add $30 deduct $20 (3b) add $50 deduct $30 (4) deduct $5,200. Noted May 10.

Pa., Phoenixville — Post Office — Treas. Dept., Wash., D. C., constructing U. S. Post Office, here, from C. E. Morell Co., Greenville, S. C., 57,900. Noted May 3.

Mich., Houghton — Post Office — Treas. Dept., Wash., D. C., construction complete, incl. mechanical equipment, U. S. Post Office, here, from W. D. Lovell, 1415 8th St., S.E., Minneapolis, Minn., $74,990. Noted Apr. 26.

Mo., St. Louis—Earthwork—Mississippi River Comn., 1311 International Life Bldg., 645,000 cu.yd. earthwork in Iowa River-Flint Creek Dist. 16, Iowa, from La Crosse Dredging Co., Plymouth, Bldg., Minneapolis, Minn., $0.28; 300,000 cu.yd., in Louisa Co. Levee Dist. 15, Iowa, from La Crosse Dredging Co., Plymouth Bldg., Minneapolis, Minn., and Wapello Contg. Co., Wapello, Ia., each $0.1875. Noted May 3 and 10.

New Mexico—Road—U. S. Bureau Pub. Rds., 242 West Washington St., Phoenix, Ariz., grading, etc., 11.48 mi. Canoncito-Pecos Forest Highway, 2.2 ft., Santa Fe National Forest, Santa Fe and San Miguel Counties, here, from J. F. Hamer, Stop 6, Interurban, Ft. Worth, Tex., $135,463 (omitting surfacing). Engrs. est. $130,298. Noted Apr. 5.

Arizona—Bridges—U. S. Bureau, Pub. Rds., 242 West Washington St., Phoenix, structures on 23.436 mi. Flagstaff-Angell Forest Highway, Coconino National Forest, Coconino Co., from L. C. Lashmet, Albuquerque, N. M., $71,980. Engrs. est. $63,637. Noted May 3.

Arizona—Road—U. S. Bureau Pub. Rds., 242 West Washington St., Phoenix, grading 18.038 mi. Prescott-White Spar Highway, Prescott National Forest, Yavapai Co., from Lee Moor Contg. Co., Two Republics Bldg., El Paso, Tex., $467,582. Engrs. est. $448,976. Noted May 3.

Washington—Roads—C. H. Purcell, dist. engr., U. S. Bureau Pub. Rds., Post Office Bldg., Portland, Ore., grading and surfacing 14.7 mi. Mt. Baker Highway, Glacier, Whatcom Co., from Sims & Carlson, Realty Bldg., Spokane, 40,000 cu.yd. common excav. $0.60, 10,000 cu.yd. surfacing $2.90, etc., total $117,184. Noted May 10.

Oregon—Road—C. H. Purcell, dist. engr., U. S. Bur. Pub. Rds., Post Office, Portland, grading, surfacing, etc., 5.5 mi. Devils Lake Rd., 16 ft., Siletz National Forest, Lincoln Co., from Warren Constr. Co., Park Rose, Portland, 138,000 cu.yd. common excav. $0.56, 12,000 cu.yd. surfacing $3.05, etc., total $207,864. Noted May 10.

Calif., Los Angeles — Dredging — U. S. Engineer, Central Bldg., dredging in Los Angeles Harbor, Area 3, 1,270,000 cu.yd., Area 4, 610,000 cu.yd., Area 5, 820,000 cu. yd., Area 6, 200,000 cu.yd., from San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, Area 3 only $0.321, Area 4 $0.331, Areas 3, 4 and 6 $0.34, Areas 4 and 6 $0.34, Areas 4, 5 and 6 $0.34, Areas 3, 4, 5 and 6 $0.292; United Dredging Co., Central Bldg., Area 3 $0.337, Areas 4 and 6 $0.3198, Areas 4, 5 and 6 $0.3178, Areas 3, 4, 5 and 6 $0.3148. Noted May 3.

Panama — Towers — Spec. 4794—Bureau Yards & Docks, Navy Dept., Wash., D. C., dismantling towers at St. Petersburg, Fla., and erecting same at La Palma, C. Z., here, from W. F. Martins, 112 Cutler Bldg., Rochester, N. Y., $8,349 (160 days). Noted Mar. 8.

H. T., Pearl Harbor—Storehouse—Spec. 4692—Bureau Yards & Docks, Navy Dept., Wash., D. C., complete 2 story, concrete, tile and steel storehouse, at Naval Operating Base, here, (1) work complete, from L. R. Smith, 1576 Pensacola St., Honolulu, H. T., (1) $183,216 (240 days) (2) $215,575 (300 days) telegraphic modification (1) deduct $8,500 (2) deduct $8,500; W. F. Martins, 112 Cutler Bldg., Rochester, N. Y., (1) $190,000 (275 days) (2) $218,000 (305 days); Walker & Olan, 820 Lower Pilkil St., Honolulu, (1) $200,000 (270 days) (2) $231,000 (285 days) telegraphic modification (1) deduct $1,500 (30 days) (2) deduct $2,700. Noted Apr. 26.

CONTRACTS AWARDED

Mich., Detroit — Superstructure — U. S. Engineer, 337 Federal Bldg., superstructure on west center pier, St. Marys Falls Canal, to G. O. Comb, Sault Sts. Marie, $31,200. Noted May 17.

Minn., St. Cloud—Water System, etc.—Spec. 4830—Bureau Yards & Docks, Navy Dept., Wash., D. C., water and sewerage system at U. S. Veterans' Hospital, here, to W. D. Lovell, 1415 8th St., S.E., Minneapolis, Minn., $24,693. (120 days). Noted Apr. 19.

Oregon—Road—C. H. Purcell, dist. engr., U. S. Bureau Pub. Rds., Post Office Bldg., Portland, grading and 6 in. crushed rock surfacing on 8.7 mi. Crater National Forest Rd., Crater Lake, Jackson Co., preparing 45,800 ft. subgrade, 20,500 cu.yd. crushed rock, etc., to W. Vonderheim, Eagle Point, crushed rock $3.16 per cu.yd., total $64,341.

Miscellaneous

PROPOSED WORK

Tunnel — Meriden, Conn. — Connecticut School for Boys plans 2 rein.-con. tunnels, to connect buildings. $50,000. E. S. Boyd, supt. Engineer not selected.

Duct, etc.—New Britain, Conn.—Bd. Pub. Wks. plans to purchase 25,000 ft. 3½ in. single tile duct $6,000; 25,000 ft. 4 in. and 15,000 ft. 3½ in. fibre duct, $6,000; 50 manhole frames, $6,000; 1,600 bbl. cement, $7,000, for underground conduit system on Broad St. J. D. Williams, city engr.

Memorial—New Britain, Conn.—City receiving sketches memorial to War Veterans. $30,000. Address G. H. Dyson, 92 Harrison St., chn. Permanent Memorial Com.

Jetties—Ft. Pierce, Fla.—St. Lucie Co. plans to issue $120,000 bonds to extend jetties. E. H. Collings, Jr., Ft. Pierce, engr.

River Terminal—Natchez, Miss.—Plans river terminal work, incl. buildings and equipment. $100,000. L. A. Whittington, mayor.

Transmission Line—Kentucky—Kentucky Utilities Co., M. E. T. Bldg., Louisville, plan extending 33,000 volt transmission line from Elizabethtown to Camp Knox. To exceed $25,000. G. T. Bogard, c/o owner, engr.

Wall — Lancaster, Ky. — J. Poindexter plans masonry wall, 11 ft. high, ½ mi. long, to protect land from back water, due to new dam on Dix River. $41,000.

Stadium — Bloomington, Ind. — Indiana University having plans prepared by Osborn Eng. Co., 2848 Prospect St., Cleveland, O., stadium, 50,000 seating capacity. Noted Apr. 26.

Train Shed — St. Louis, Mo. — Terminal R.R. Assn., Union Sta., having preliminary plans prepared concrete and steel train shed, either bush or umbrella type. $1,000,000. Private plans.

Wharf — Beaumont, Tex. — Atlantic Refining Co. plans 700 ft. wharf.

Spillway—Ft. Worth, Tex.—See "Dams."

Fill, etc.—Galveston, Tex.—City making plans raising and filling west end Galveston Island. $1,250,000 bonds voted. C. A. Holt, Jr., city engr.

Electric Light, etc.—Wills Point, Tex.—Voted $25,000 bonds for electric light and power improvements. L. Gilmore, city secy.

Rock Crushing Plant—Palisade, Nev.—Southern Pacific R.R., Southern Pacific Bldg., San Francisco, Calif., plans rock crushing plant, here.

Park Improvements — Eureka, Calif. — City plans to vote on $100,000 bonds for park improvements. Noted Mar. 15.

Distributing System — Loomis, Calif. — Pacific Gas & Electric Co., 445 Sutter St., San Francisco, plans distributing system, here. To exceed $25,000. Private plans.

Town Site—San Gabriel, Calif.—W. P. Temple, et al., Title Insurance Bldg., Los Angeles, plans town site for 4,000 to 5,000 people, here, first unit includes four 2 story, brick or concrete buildings to be erected in center of site. To exceed $150,000.

Gas Mains — Montreal, Que. — Montreal Light Heat & Power Co., Craig St. plan to lay 4,210 ft. 16 in. c.i. pipe in Hanatoux St. $31,365, 250 ft. 12 in. in Jarry St. $1,373, 1,650 ft. 6 in. in St. Denis St. $5,445.

BIDS DESIRED

Modification of Railroad Structure—New York—June 7, by Transit Comn., 49 Lafayette St., New York City, modification of railroad structure east of Boulevard to allow raising street grade, Route 61, Boro of Queens, Agreement "CM." G. McAneny, chm.

Stone Crusher Plant—Trenton, N. J.—June 12, by Mercer Co., Court House, stone crusher plant, etc., at Moore Sta. H. E. Breed, 507 5th Ave., New York City, consult. engr.; adv. this issue.

Subway—Phila. Pa.—June 26, at office W. S. Twining, dir. Dept. City Transit, 1211 Chestnut St., subway in Arch St., Contr 207; adv. this issue.

Ornamental Lighting System—Williamsport, Pa.—June 18, by City Council, ornamental lighting system, 300 standards. L. Mussina, city engr.

Dock and Boat Basin—Sanford, Fla.—June 18, by W. B. Williams, city engr., dock and boat basin, 76,000 lbs., reinforcing bars, 1,700 cu.yd. concrete, 24,000 cu.yd. hydraulic fill, 11,000 ft. creosoted timber, 15,300 lin. ft. foundation, 1,930 lin.ft. creosoted and 20,000 lin.ft. Palmetto piling, etc. F. T. Williams, Sanford, engr.

Sand and Gravel Dumps, etc.—New London, Wis.—Taking bids sand and gravel dumps and conveyors. C. J. Thompson, clk. Private plans.

Car Barns—Racine, Wis.—Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., Milwaukee, taking bids 1 story, 80 x 160 ft. car barns, brick, steel and concrete plain foundation, Layard Ave., here. $100,000. R. H. Pinkley, c/o Owner, archt. and engr.

Heating Plant—Wautoma, Wis.—June 29, by Waushara Co., steam heating plant for court house, jail and garage. $25,000. W. H. Berray, Court House, chn. Private plans.

Coaling Station—Dubuque, Ia.—Illinois Central R.R., 135 East 11th Pl., Chicago, receiving bids 300 ton coaling plant, here, $35,000. F. L. Thompson, ch. engr.

BIDE RECEIVED

N. Y., Millersport—Comrs. Niagara Co., (Lockport), Erie Co., (Buffalo), Amherst and Clarence Twps., May 24, twin span bridge, 24 ft., (a) concrete, (b) steel, over Tonawanda Creek, Transit Rd., from Meyer & Meyer, Erie St. and Cemetery Rd., Lancaster, (a) $49,943 (b) $48,199. Noted Oct. 26.

Subway—New York, N. Y.—Transit Comn., 49 Lafayette St., Sect. 2 of Route 45, part of Bway.-4th Ave. Rapid Transit R. R. from Patrick McGovern, Inc., 50 East 42nd St., $5,976,086. Noted May 3.

Brick—St. Petersburg, Fla.—City furnishing 5,000,000 paving bricks, from Southern Clay Co., Vol St. Life Bldg., Chattanooga, Tenn., $30 per m f.o.b. Chattanooga.

Retaining Wall, etc.—Astoria, Ore.—City building retaining walls, etc., (1) standard walls (2) step down walls, from W. O. Bulette, 1257 Naval Ave., Bremerton, Wash., along Bond, 11th, 12th and 14th Sts., Dist. 1, 3,400 lin.ft. concrete retaining wall, 26,000 lin.ft. piling, 1,100 lin.ft. concrete tunnel, 3,000 lin.ft. 6-10 in. sewer, etc., (1) $98,647 (2) $93,110; Commercial, 15th and 16th Sts., Dist. 2, 4,600 lin.ft. concrete retaining wall, 34,000 lin.ft. piling, 1,100 lin. ft. concrete tunnel, 4,800 lin.ft. 6-16 in. sewer, etc., (1) $129,547 (2) $119,490; Duane, 11th and 12th Sts., Dist. 3, 2,000 lin.ft. concrete retaining wall, 15,000 lin.ft. piling, 1,000 lin.ft. concrete tunnel, 2,500 lin.ft. 6-12 in. sewer, etc., (1) $62,589 (2) $59,440.

CONTRACT AWARDED

Monument—Bristol, Conn.—City Soldiers Memorial, granite, 40 ft. shaft, large base, to Harrison Granite Co., 200 5th Ave., New York City. Engrs. est. $30,000. Noted Jan. 4.

Subway—Rochester, N. Y.—Bd. Contr. & Supply, City Hall, 4 track rapid transit railway, stations, bridge, excavation in old canal bed, Contr. 2, to I. M. Ludingtons Sons, 124 Powers Bldg., $1,654,765. Engrs. est. $1,897,516. Noted May 17.

Docks and Tunnel—Detroit, Mich.—See "Industrial Works."

Asphalt—Montreal, Que.—To Imperial Oil Co., 918 St. Patrick St., supplying 2,000 tons refined asphalt in tank cars $16.20 per ton, 200 tons in barrels $22.25, 1,000 tons in tank cars $16.20.

Gas Mains—Montreal, Que.—Montreal Light, Heat & Power Co., Craig St. W., will lay 9,700 ft. 20 in. c.i. pipe from Elm Sta. to Pie IX Blvd., 1,154 ft. 12 in. in Davidson St. from Rouen to St. Catherine Sts. and 546 ft. 8 in. from St. Catherine to Notre Dame Sts., 3,750 ft. 12 in. c.i. pipe in Bennett St. from Hochelaga to St. Catherine Sts. $122,864, 2,250 ft. 6 in. c.i. pipe in McCord St. from Wellington to Notre Dame Sts., $8,590, by day labor. E. S. Stanton, supt.

Gas Main — Montreal, Que. — Montreal Light, Heat & Power Co., 83 Craig St. W., will build 9,263 ft. 4, 6 and 12 in. c. i. mains in 24 streets, by day labor. $28,881.

Transmission Line—Ontario—Hydro Electric Comn., 190 University Ave., Toronto, will build 16 mi. transmission line from substation at Wallaceburg through Whitebread and Port Lambton to Sombra, by day labor. $80,000. F. A. Gaby, ch. engr.

Transmission Line — Stouffville, Ont. — Will build 11 mi. transmission line to Yonge St., by day labor, under supervision Hydro Electric Power Comn. of Ontario. $30,000.